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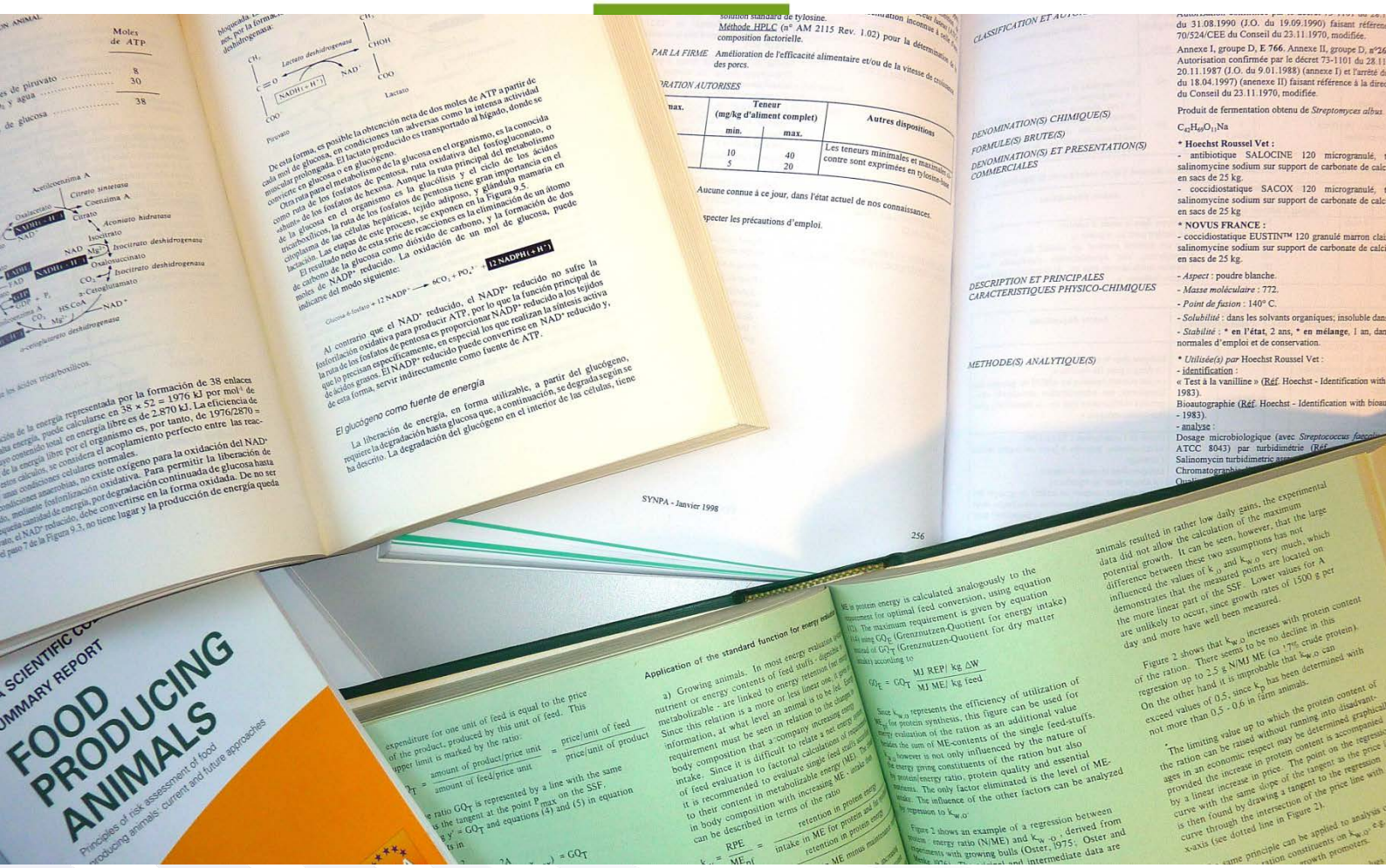


## European Union

# Register of Feed Additives

*pursuant to Regulation (EC) No 1831/2003*

*Annex I: List of additives*

Health and Food Safety

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# European Union Register of Feed Additives
## pursuant to Regulation (EC) No 1831/2003

## Annex I: List of additives

(Released date 26.06.2019)

## Edition 6/2019 (272)

DIRECTORATE-GENERAL FOR HEALTH AND FOOD SAFETY

Directorate E - Food and feed safety, innovation

Unit E5 – Animal nutrition, veterinary medicines

## *IMPORTANT INFORMATION.*

***Some additives are subject to the provisions of Art. 14 § 1 of Reg. (EC) No 1831/2003.***

*"Article 14*
*Renewal of authorisations*
*1. Authorisations under this Regulation shall be renewable for 10-year periods. An application for renewal shall be sent to the Commission at the latest one year before the expiry date of the authorisation."*

***These additives are now marked with red borders.***

# **Appendix 3e:** List of modifications to the Register after edition 249.

## *2019*
## *Edition 6/2019 (272)*: published on 26 June 2019

Additions

- 2; b; Flavouring compounds; 2b12038; 8-Mercapto-p-menthan-3-one / CAS No. 38462-22-5 / Flavis No. 12.038; Commission Implementing Regulation (EU) 2019/900 of 29 May 2019 in OJ L 144, 03.06.2019, p. 36
- 2; b; Flavouring compounds; 2b12085; p-Menth-1-ene-8-thiol / CAS No. 71159-90-5 / Flavis No. 12.085; Commission Implementing Regulation (EU) 2019/900 of 29 May 2019 in OJ L 144, 03.06.2019, p. 36
- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a825i; 'Riboflavin' or 'Vitamin $B_2$: produced by *Ashbya gossypii* DSM 23096; solid form produced by *Ashbya gossypii* DSM 23096; Commission Implementing Regulation (EU) 2019/901 of 29 May 2019 in OJ L 144, 03.06.2019, p. 41
- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a825ii; 'Riboflavin' or 'Vitamin $B_2$: solid form produced by *Bacillus subtilis* DSM 17339 and/or DSM 23984; Commission Implementing Regulation (EU) 2019/901 of 29 May 2019 in OJ L 144, 03.06.2019, p. 41
- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a 826; 'Riboflavin 5′- phosphate monosodium salt' or 'Vitamin $B_2$' produced after phosphorylation of riboflavin 98 % produced by *Bacillus subtilis* DSM 17339 and/or DSM 23984; Commission Implementing Regulation (EU) 2019/901 of 29 May 2019 in OJ L 144, 03.06.2019, p. 41
- 3; c; Amino acids, their salts and analogues; 3c410; L-threonine produced by fermentation with *Escherichia coli* CGMCC 7.232; Commission Implementing Regulation (EU) 2019/894 of 28 May 2019 in OJ L 142, 29.05.2019, p. 63
- 4; a; Digestibility enhancers; 4a26; Preparation of endo-1,4-beta- xylanase (EC 3.2.1.8) produced by *Trichoderma reesei* (BCCM/MUCL 49755) (Holder of the authorisation Berg and Schmidt GmbH Co. KG) [Chickens for fattening; Weaned piglets]; Commission Implementing Regulation (EU) 2019/929 of 5 June 2019 in OJ L 148, 06.06.2019, p. 25
- 4; b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* CNCM I-4407 (Holder of the authorisation Société Industrielle Lesaffre) [Horses]; Commission Implementing Regulation (EU) 2019/899 of 29 May 2019 in OJ L 144, 03.06.2019, p. 32
- 4; b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* CNCM I-4407 (Holder of the authorisation Société Industrielle Lesaffre) [Lambs for fattening; Dairy goats and dairy sheep; Pigs for fattening; Dairy buffaloes]; Commission Implementing Regulation (EU) 2019/899 of 29 May 2019 in OJ L 144, 03.06.2019, p. 32

- 4; b; Gut flora stabilisers; 4b1711; *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Dairy goats, dairy sheep]; Commission Implementing Regulation (EU) 2019/857 of 27 May 2019 in OJ L 140, 28.05.2019, p. 18
- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Calsporin) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Chickens for fattening]; Commission Implementing Regulation (EU) 2019/893 of 28 May 2019 in OJ L 142, 29.05.2019, p. 60
- 4; b; Gut flora stabilisers; 4b1828; *Bacillus licheniformis* DSM 28710 (Holder of the authorisation Huvepharma NV) [Turkeys for fattening; Turkeys reared for breeding; Minor poultry species for fattening or reared for laying]; Commission Implementing Regulation (EU) 2019/914 of 26 May 2019 in OJ L 146, 05.06.2019, p. 60
- 4; b; Gut flora stabilizsers; 4d1703; *Saccharomyces cerevisiae* CNCM I-1079 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [All pigs other than sows and weaned piglets; All minor porcine species]; Commission Implementing Regulation (EU) No 2019/892 of 28 May 2019 in OJ L 142, 29.05.2019, p. 57
- 4; d; other zootechnical additives (improvement of of zootechnical performance); 4d18; Preparation of Eugenol (Holder of the authorisation Lidervet SL) [Chickens for fattening]; Commission Implementing Regulation (EU) 2019/898 of 29 May 2019 in OJ L 144 03.06.2019, p. 29
- 4; d; Other zootechnical additives; 4d1; Lanthanum carbonate octahydrate (Lantharenol) (Holder of the authorisation Bayer HealthCare AG) [Cats]; Commission Implementing Regulation (EU) 2019/913 of 29 May 2019 in OJ L 146, 05.06.2019, p. 57

Deletions

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 71159-90-5 / p-Menth-1-ene-8-thiol / Flavis No. 12.085; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Repealed by Commission Implementing Regulation (EU) 2019/900 of 29 May 2019
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 38462-22-5 / 8-Mercapto-p-menthan-3-one / Flavis No. 12.038; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Repealed by Commission Implementing Regulation (EU) 2019/900 of 29 May 2019
- 2; b; Natural products – botanically defined; ; *Artemisia annua* L.: Annual mugwort extract (wb) / Annual mugwort oil ; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Moved to annex II
- 4; a; Digestibility enhancers; 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société Industrielle Lesaffre) [Horses] Reg. (EC) No 186/2007 of 21 February 2007 in OJ L 63, 01.03.2007, p. 6
  Repealed by Commission Implementing Regulation (EU) 2019/899 of 29 May 2019 in OJ L 144, 03.06.2019, p. 32
- 4; b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société Industrielle Lesaffre) [Dairy goats and dairy sheep]; Reg. (EC) No 188/2007 of 23 February 2007 in OJ L 57, 24.02.2007, p. 3
  Repealed by Commission Implementing Regulation (EU) 2019/899 of 29 May 2019 in OJ L 144, 03.06.2019, p. 32

- 4; b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société Industrielle Lesaffre) [Pigs for fattening]; Reg. (EC) No 209/2008 of 6 March 2008 in OJ L 63, 07.03.2008, p. 3
  Repealed by Commission Implementing Regulation (EU) 2019/899 of 29 May 2019 in OJ L 144, 03.06.2019, p. 32
- 4; b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société Industrielle Lesaffre) [Dairy buffaloes]; Reg. (EC) No 232/2009 of 19 March 2009 in OJ L 74, 20.03.2009, p. 14
  Repealed by Commission Implementing Regulation (EU) 2019/899 of 29 May 2019 in OJ L 144, 03.06.2019, p. 32
- 4; b; Gut flora stabilisers; 4b1711; *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Dairy goats, dairy sheep]; Reg. (EC) No 226/2007 in OJ L 64, 02.03.2007, p. 26
  Repealed by Commission Implementing Regulation (EU) 2019/857 of 27 May 2019; OJ L 140, 28.05.2019, p. 18
- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Calsporin) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Chickens for fattening]; Reg. (EC) No 1444/2006 of 29 September 2006 in OJ L 271, 30.09.2006, p. 19
  Repealed by Commission Implementing Regulation (EU) 2019/893 of 28 May 2019
- 4; d; Other zootechnical additives; 4d1; Lanthanum carbonate octahydrate (Lantharenol) (Holder of the authorisation Bayer HealthCare AG) [Cats]; Reg. (EC) No 163/2008 of 22 February 2008 in OJ L 50, 23.02.2008, p. 3
  Repealed by Commission Implementing Regulation (EU) 2019/913 of 29 May 2019

Amendment

- 3; a; Vitamins and provitamins; 3a671; 'Cholecalciferol' or 'Vitamin $D_3$' [Pigs; Milk replacers for piglets; Bovines; Milk replacers for calves; Ovines; Chickens for fattening; Turkeys; Other poultry; Equines; Fish species; Other species]; Commission Implementing Regulation (EU) 2017/1492 of 21 August 2017 is amended by Commission Implementing Regulation (EU) 2019/849 of 24 May 2019 in OJ L 139 of 27.05.2019 p. 4

Corrections in annex I

- 1; k; 1 – Enzymes; 1k104; Endo-1,4-beta-glucanase EC 3.2.1.4 from *Trichoderma reesei* ATCC PTA-10001
- 2; b; Natural products – botanically defined; *Allium sativum* L.: Garlic oleoresin CAS 8000-78-0 CoE 26 EINECS 232-371-1 / Garlic oil CAS 8000-78-0 FEMA 2503 CoE 26 EINECS 232-371-1 / Garlic tincture CoE 26 / Garlic extract (sb)
- 2; b; Natural products – botanically defined; *Tanacetum vulgare* L.: Tansy tincture CoE 446 / Tansy extract (wb)
- 2; b; Natural products – botanically defined; *Yucca mohavensis* Sarg. = *Y. schidigera* Roezl ex Ortgies

Corrections in annex II

- 1; j; Acidity regulators; E 450 b (ii); Pentapotassium triphosphate [Cats; Dogs]; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs ( 85 /429/ EEC) ; OJ L 245, 12.09.1984, p. 1
- 2; b; Natural products – botanically defined; *Allium sativum* L. : Garlic extract (wb)

- 2; b; Natural products – botanically defined; *Myroxylon balsamum* (L.) Harms: Tolu balsam extract (sb) CAS 9000-64- 0 FEMA 3069 CoE 297 EINECS 232-550-4
- 2; b; Natural products – botanically defined; *Myroxylon balsamum* (L.) Harms *var. Pereirae*: Balsam peru extract (sb) CAS 8007-00-9 CoE 298 FEMA 2117, 2116 EINECS 232-352-8
- 2; b; Natural products – botanically defined; *Quillaja saponaria* Molina: Quillaia extract (sb) CoE 391 / Quillaia concentrate
- 2; b; Natural products – botanically defined; *Vitis vinifera* L.: Cognac oil CAS 8016-21-5 FEMA 2331, 2332 CoE 485 EINECS 232-403-4 / Cognac tincture
- 3; a; Vitamins and provitamins; Riboflavin or Vitamin $B_2$[1]:. All forms with the exception of :
  - Riboflavin solid form produced by *Ashbya gossypii* DSM 23096;
  - Riboflavin solid form produced by *Bacillus subtilis* DSM 17339 and/or DSM 23984;
  - Riboflavin 5'-phosphate ester monosodium salt solid form produced after phosphorylation of riboflavin 98 % produced by *Bacillus subtilis* DSM 17339 and/or DSM 23984.

Information

- Commission Regulation (EU) 2019/962 of 12 June 2019 amending Annex I to Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the establishment of two new functional groups of feed additives https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32019R0962&from=EN

## ***Edition 5/2019 (271)***: published on 22 May 2019

Additions

- 1; k; Silage additives; 1k20757; *Lactobacillus hilgardii* CNCM I-4785 and *Lactobacillus buchneri* CNCM I-4323/NCIMB 40788; Commission Implementing Regulation (EU) 2019/764 of 14 May 2019; OJ L 126, 15.05.2019, p. 1
- 3; b; Compound of trace elements; 3b810; Selenised yeast *Saccharomyces cerevisiae* CNCM I-3060, inactivated [All species]; Commission Implementing Regulation (EU) 2019/804 of 17 May 2019; OJ L 132, 20.05.2019 p. 28
- 3; b; Compound of trace elements; 3b811; Selenised yeast *Saccharomyces cerevisiae* NCYC R397, inactivated [All species]; Commission Implementing Regulation (EU) 2019/804 of 17 May 2019; OJ L 132, 20.05.2019 p. 28
- 4; a; Digestibility enhancers; 4a25; 3-phytase EC 3.1.3.8 produced by *Komagataella phaffii* (CECT 13094) (Holder of the authorisation Fertinagro Nutrientes S.L.) [Chickens for fattening or reared for laying; Minor poultry species for fattening or reared for laying or for breeding; Laying hens]; Commission Implementing Regulation (EU) 2019/781 of 15 May 2019; OJ L 127, 16.05.2019, p. 1
- 4; d; other zootechnical additives (improvement of the feed to gain ratio) ; 4d16; Preparation of muramidase (EC 3.2.1.17) (lysozyme) produced by Trichoderma reesei (DSM 32338); Commission Implementing Regulation (EU) 2019/805 of 17 May 2019; OJ L 132 20.05.2019, p. 33

[1] This is without prejudice to Commission Implementing Regulation (EU) 2018/1254 of 19 September 2018 concerning the denial of authorisation of riboflavin (80 %) produced by *Bacillus subtilis* KCCM-10445 as a feed additive belonging to the functional group of vitamins, pro-vitamins and chemically well-defined substances having similar effect (OJ L 237, 20.9.2018, p. 5).

Deletions

- 2; b; Natural products – botanically defined; *Macleaya cordata* (Willd.) R. Br.: Plume poppy absolute / Plume poppy extract / Plume poppy oil / Plume poppy tincture ; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Moved to Annex II
- 3; b; Compound of trace elements; 3b8.10; Organic form of Selenium produced by *Saccharomyces cerevisiae* CNCM I-3060 (Selenised yeast inactivated) [All species]; Reg. (EC) No 1750/2006 of 27 November 2006 in OJ L 330, 28.11.2006, p. 9
  Replaced by 3b810
- 3; b; Compound of trace elements; 3b8.11; Selenomethionine produced by Saccharomyces cerevisiae NCYC R397 (Selenized yeast inactivated) [All species]; Reg. (EC) No 634/2007 of 7 June 2007 in OJ L 146, 08.06.2007, p. 14
  Replaced by 3b811

Applications under article 14 received

- 1; k; Silage additives; 1k2101; *Pediococcus pentosaceus* DSM 16244; Reg. (EU) No 514/2010 of 15 June 2010 in OJ L 150, 16.06.2010, p. 42
- 3; b; Compound of trace elements; 3b4.10; Copper chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 349/2010 of 23 April 2010 in OJ L 104, 24.04.2010, p.
- 3; b; Compound of trace elements; 3b5.10; Manganese chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 350/2010 of 23 April 2010 in OJ L 104, 24.04.2010, p. 36
- 3; b; Compound of trace elements; 3b6.10; Zinc chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 335/2010 of 22 April in OJ L 102, 23.04.2010, p. 22
- 3; c; Amino acids, their salts and analogues; 3c3.8.1; L-isoleucine produced by Escherichia coli (FERM ABP-10641); Reg (EU) No 348/2010 of 23 April 2010 in OJ L 104, 24.04.2010, p. 29
- 4; b; Gut flora stabilisers; 4b1820; Bacillus subtilis C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Piglets (weaned)]; Reg. (EC) No 333/2010 of 22 April 2010 in OJ L 102, 23.4.2010, p. 19

Correction in Annex I

- 3; a; Vitamins and provitamins; Vitamin B12 / Cyanocobalamin
- 3; c; Amino acids, their salts and analogues; 3.2.2.; Lysine / Concentrated liquid L-lysine (base); Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36
- 3; c; Amino acids, their salts and analogues; 3.2.3.; Lysine / L-lysine monohydrochloride, technically pure; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36
- 3; c; Amino acids, their salts and analogues; 3.2.5.; Lysine / L-lysine sulphate produced by fermentation with Corynebacterium glutamicum; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36
- 4; d; Other zootechnical additives; 4d4; Dimethylglycine sodium salt (Holder of the authorisation Taminco BVBA) [Chickens for fattening]; Commission Implementing Regulation (EU) No 371/2011 of 15 April 2011

Correction in Annex II

- 3; a; Vitamins and provitamins; Vitamin B12 / Cyanocobalamin produced by *Ensifer fredii* CMCC(B)70000, *Ensifer adhaerens* CICC 11008s and *Propionibacterium freudenreichii subsp. Shermanii*

## ***Edition 4/2019 (270)***: published on 30 April 2019

Additions

- 1; k; 1 – Enzymes; 1k101; Alpha-amylase EC 3.2.1.1 from *Bacillus amyloliquefaciens* DSM 9553; Commission Implementing Regulation (EU) 2019/454 of 20 March 2019; OJ L 79, 21.03.2019, p. 4
- 1; k; 1 – Enzymes; 1k102; Alpha-amylase EC 3.2.1.1 from *Bacillus amyloliquefaciens* NCIMB 30251; Commission Implementing Regulation (EU) 2019/454 of 20 March 2019; OJ L 79, 21.03.2019, p. 4
- 1; k; 1 – Enzymes; 1k103; Alpha-amylase EC 3.2.1.1 from *Aspergillus oryzae*ATCC SD-5374; Commission Implementing Regulation (EU) 2019/454 of 20 March 2019; OJ L 79, 21.03.2019, p. 4
- 1; k; 1 – Enzymes; 1k104; Alpha-amylase EC 3.2.1.1 from *Trichoderma reesei* ATCC PTA-10001; Commission Implementing Regulation (EU) 2019/454 of 20 March 2019; OJ L 79, 21.03.2019, p. 4

Applications under article 14 received

- 4; a; Digestibility enhancers; 4a12; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (Holder of the authorisation Roal Oy) [Poultry for fattening and breeding other than turkeys for fattening, for poultry for laying and for pigs other than sows] ; Reg. (EU) No 277/2010 of 31 March 2010; OJ L 86, 01.04.2010, p. 13
- 4; a; Digestibility enhancers; 4a12; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (Holder of the authorisation Roal Oy) [Turkeys]; Reg. (EU) No 891/2010 of 8 October 2010; OJ L 266, 09.10.2010, p. 4
- 4; a; Digestibility enhancers; 4a12; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (Holder of the authorisation Roal Oy) [Sows]; Commission Implementing Regulation (EU) No 886/2011 of 5 September 2011; OJ L 229, 06.09.2011, p. 5

Corrections

- 2; a; Other colourants; E 153; Carbon black as colouring agents authorised for colouring foodstuffs by Community rules [All species]; Commission Directive 94/17/EC of 22 April 1994 amending Council Directive 70/524/EEC concerning additives in feedingstuffs; OJ L 105, 26.04. 94, p. 19
- 2; a (iii); Other colourants; E 153; Carbon black [Ornamental fish]; Commission Directive 94/17/EC of 22 April 1994 amending Council Directive 70/524/EEC concerning additives in feedingstuffs/ Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; OJ L 105, 26.04. 94, p. 19 / Corrected by OJ L 68, 12.03.2018, p. 3

Deletions

- 1; k; 1 – Enzymes; Alpha-amylase EC 3.2.1.1 from *Bacillus amyloliquefaciens* DSM 9553; Reg. (EC) 1831/2003; OJ L 268, 18.10.2003, p. 29
  Replaced by 1k101

;

Deletions in annex II

- 2; a (iii); Other colourants; E 153; Carbon black [Ornamental fish]; Commission Directive 94/17/EC of 22 April 1994 amending Council Directive 70/524/EEC concerning additives in feedingstuffs/ Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; OJ L 105, 26.04. 94, p. 19 / Corrected by OJ L 68, 12.03.2018, p. 3

## ***Edition 3/2019 (269)***: published on 19 March 2019

Correction in Annex I

- 2; b; Natural products – botanically defined; *Glycyrrhiza glabra* L.: Licorice tincture CoE 218 / Licorice extract powder CAS 68916-91-6 FEMA 2629 CoE 218 EINECS 272-837-1 / Licorice extract (wb) [2] CAS 97676-23-8 FEMA 2628 CoE 218 EINECS 272-837-1
- 2; b; Natural products – botanically defined; *Myroxylon balsamum* (L.) Harms var. pereirae: Balsam Peru extract CAS 8007-00-9 CoE 298 EINECS 232-352-8 / Balsam Peru oil CAS 8007-00-9 FEMA 2117 CoE 298 EINECS 232-352-8
- 2; b; Natural products – botanically defined; *Passiflora edulis* Sims. = *P. incarnata* L.: Passionfruit tincture CoE 321 ; Passionfruit extract (sb)[3] CoE 321
- 2; b; Natural products – botanically defined; *Quillaja saponaria* Molina: Quillaia extract (wb) CoE 391
- 2; b; Natural products – botanically defined; *Yucca mohavensis* Sarg. = Y. schidigera Roezl ex Ortgies Mojave yucca tincture
- 3; a; Vitamins and provitamins; Vitamin $B_{12}$ / Cyanocobalamin with the exception of vitamin $B_{12}$ produced by *Ensifer fredii* CMCC(B)70000 and *Ensifer adhaerens* CICC 11008s
- 3; c; Amino acids, their salts and analogues; 3.2.2.; Lysine / Concentrated liquid L-lysine (base), with the exception of Concentrated liquid L-lysine (base) produced using *Corynebacterium glutamicum* KCTC 12307BP; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36
- 3; c; Amino acids, their salts and analogues; 3.2.3.; Lysine / L-lysine monohydrochloride, technically pure, with the exception of L-lysine monohydrochloride produced using *Corynebacterium glutamicum* KCTC 12307BP; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36
- 3; c; Amino acids, their salts and analogues; 3.2.5.; Lysine / L-lysine sulphate produced by fermentation with *Corynebacterium glutamicum*, with the exception of L-Lysine sulphate produced by *Corynebacterium glutamicum* DSM 16615; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36

Correction in Annex II

- 2; a; Other colourants; E 151; Brilliant Black PN as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]
- 2; b; Natural products – botanically defined; *Glycyrrhiza glabra* L.: Licorice extract (sb) CAS 97676-23-8 FEMA 2628 CoE 218 EINECS 272-837-1
- 2; b; Natural products – botanically defined; *Passiflora edulis* Sims. = *P. incarnata* L.: Passionfruit extract (wb) CoE 321
- 2; b; Natural products – botanically defined; *Quillaja saponaria* Molina: Quillaia extract (sb) CoE 391

[2] Water based
[3] Solvent based

- 3; a; Vitamins and provitamins; Vitamin B12 / Cyanocobalamin produced by *Ensifer fredii* CMCC(B)70000 and *Ensifer adhaerens* CICC 11008s
- 3; c; Amino acids, their salts and analogues; 3.2.2.; Lysine Concentrated liquid L-lysine (base) produced using *Corynebacterium glutamicum* KCTC 12307BP; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36
- 3; c; Amino acids, their salts and analogues; 3.2.3.; Lysine / L-lysine monohydrochloride produced using *Corynebacterium glutamicum* KCTC 12307BP; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36
- 3; c; Amino acids, their salts and analogues; 3.2.5.; Lysine / L-Lysine sulphate produced by *Corynebacterium glutamicum* DSM 16615 and L-Lysine sulphate produced by *C.glutamicum* CGMCC 3704; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36

Deletion

- 2; b; natural products – non plant origin; *Sus scrof*a (extract from defatted porcine pancreatic glands) [Cats and dogs and other carnivorous and omnivorous companion animals such as ferrets]
  Moved to Annex II

Applications under article 14 received

- 4; b; Gut flora stabilisers; 4b1823; *Bacillus subtilis* ATCC PTA-6737 (Holder of the authorisation Kemin Europa NV) [Chickens for fattening]; Reg. (EU) No 107/2010 of 8 February 2010 / Amended by Reg. (EU) No 168/2011 of 23 February 2011
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; b; Gut flora stabilisers; 4b1823; *Bacillus subtilis* ATCC PTA-6737 (Holder of the authorisation Kemin Europa NV) [Chickens reared for laying; ducks for fattening; quails; pheasants; partridges; guinea fowl; pigeons; geese for fattening; Ostriches]; Commission Implementing Regulation (EU) No 885/2011 of 5 September 2011; OJ L 229, 06.09.2011 p. 3
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

## ***Edition 2/2019 (268)***: published on 19 February 2019

Applications under article 14 received

- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a670a; Vitamin D / Stabilised form of 25-hydroxycholecalciferol; CAS number: 63283-36-3 [Chickens for fattening; Turkeys for fattening; Other poultry; Pigs]; Reg. (EC) No 887/2009 of 25 September 2009; OJ L 254, 26.09.2009, p. 68
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; b; Gut flora stabilisers; 4b1710; *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Dairy cows; Horses]; Reg. (EU) No 1119/2010 of 2 December 2010 in OJ L 317, 03.12.2010, p. 9
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.
- 4; d; Other zootechnical additives; 4d800; Potassium diformate (Formi LHS) (Holder of the authorisation ADDCON) [Sows]; Reg (EU) No 104/2010 of 5 February in OJ L 35, 06.02.2010, p. 4
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

Amendments

- Regulations (EC) No 785/2007, (EC) No 379/2009, (EC) No 1087/2009, (EU) No 9/2010, (EU) No 337/2011 and Implementing Regulations (EU) No 389/2011, (EU) No 528/2011, (EU) No 840/2012, (EU) No 1021/2012, (EU) 2016/899, (EU) 2016/997, (EU) 2017/440 and (EU) 2017/896 are amended by Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 in OJ L35, 07.02.2019. p28, as regards the name of the holder of the authorisation and the representative of the holder: Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.

Deletions

- 4; d; Other zootechnical additives; 4d2; Preparation of *Lactobacillus rhamnosus* (CNCM-I-3698) and *Lactobacillus farciminis* (CNCM-I-3699) (Holder of the authorisation STI Biotechnologie) [Piglets]; Reg. (EC) No 1290/2008 of 18 December 2008 in OJ L 340, 19.12.2008, p. 20
  Authorisation expired 08.01.2019

Corrigendum

- Commission Implementing Regulation (EU) 2019/230 of 7 February 2019 correcting certain language versions of Implementing Regulation (EU) 2017/2330 concerning the authorisation of Iron(II) carbonate, Iron(III) chloride hexahydrate, Iron(II) sulphate monohydrate, Iron(II) sulphate heptahydrate, Iron(II) fumarate, Iron(II) chelate of amino acids hydrate, Iron(II) chelate of protein hydrolysates and Iron(II) chelate of glycine hydrate as feed additives for all animal species and of Iron dextran as feed additive for piglets and amending Regulations (EC) No 1334/2003 and (EC) No 479/2006 in OJ L 37 HR 08.02.2019, p. 111, OJ L 37 FR 08.02.2019, p. 111 and OJ L 37 CS 08.02.2019, p. 111

Corrections

- 1; a; Preservatives; 1j514ii; Sodium bisulphate [All animal species other than cats and mink; Cats; Mink] Commission Implementing Regulation (EU) 2015/1416 of 20 August 2015; OJ L 220, 21.08.2015, p.11
- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a370; Taurine [Canidae, Felidae, Mustelidae and carnivorous fish]; Commission Implementing Regulation (EU) 2015/722 of 5 May 2015 ; OJ L 115, 06.05.2015, p. 18

## ***Edition 1/2019 (267)***: published on 31 January 2019

Additions

- 1; g; Binders; 1g599; Illite-montmorillonite-kaolinite [Chickens for fattening and minor poultry species for fattening; Cattle for fattening and minor ruminants for fattening; Pigs for fattening and weaned piglets; All other animal species and categories]; Commission Implementing Regulation (EU) 2019/10 of 3 January 2019 in OJ L 2, 04.01.2019, p. 13
- 3; b; Compounds of trace elements; 3b801; Sodium selenite [All species]; Commission Implementing Regulation (EU) 2019/49 of 4 January 2019 in OJ L 10, 14.01.2019, p. 2
- 3; b; Compounds of trace elements; 3b802; Coated granulated sodium selenite [All species]; Commission Implementing Regulation (EU) 2019/49 of 4 January 2019 in OJ L 10, 14.01.2019, p. 2

- 3; b; Compounds of trace elements; 3b818; Zinc-L-selenomethionine [All species]; Commission Implementing Regulation (EU) 2019/49 of 4 January 2019 in OJ L 10, 14.01.2019, p. 2
- 3; c; Amino acids, their salts and analogues; 3a921i; Betaine anhydrous produced from genetically modified sugar beet [food-producing animals except rabbits]; Commission Implementing Regulation (EU) 2019/9 of 3 January 2019 in OJ L 2, 04.01.2019 p. 10
- 3; c; Amino acids, their salts and analogues; 3c310; Hydroxy analogue of methionine and its calcium salt; Commission Implementing Regulation (EU) 2019/8 of 3 January 2019 in OJ L 2, 04.01.2019 p. 6
- 3; c; Amino acids, their salts and analogues; 3c362; L-arginine produced by *Corynebacterium glutamicum* KCCM10741P) [All animal species]; Commission Implementing Regulation (EU) 2019/12 of 3 January 2019 in OJ L 2, 04.01.2019, p. 21
- 3; c; Amino acids, their salts and analogues; 3c363; L-arginine produced by *Escherichia coli* NITE BP-02186) [All animal species]; Commission Implementing Regulation (EU) 2019/12 of 3 January 2019 in OJ L 2, 04.01.2019, p. 21
- 3; c; Flavouring compounds; 3c363; L-arginine produced by *Escherichia coli* NITE BP-02186) [All animal species]; Commission Implementing Regulation (EU) 2019/12 of 3 January 2019 in OJ L 2, 04.01.2019, p. 21
- 4; a; Digestibility enhancers; 4a25; 3-phytase EC 3.1.3.8 produced by *Komagataella pastoris* (CECT 13094) (Holder of the authorisation Fertinagro Nutrientes S.L.) [Chickens reared for laying; Minor poultry species for fattening or reared for laying or for breeding]; Commission Implementing Regulation 2019/144 of 28 January 2019 in OJ L 27, 31.01.2019, p. 8
- 4; b; Gut flora stabilisers; 4b1705; *Enterococcus faecium* NCIMB 10415 (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z.o.o ) [Sows; Suckling piglets; Weaned piglets; Pigs for fattening]; Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 in OJ L 2, 04.01.2019, p. 17

Deletions

- 3; b; Trace elements; E 8; Selenium – Se, Sodium selenite; Commission Directive of 28 July 1986 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (86/403/EEC); OJ L 233, 20.08.1986, p. 16
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2019/49 of 4 January 2019
- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Piglets]; Reg. (EC) No 252/2006 / Amended by Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 in OJ L 44, 15.02.2006, p. 3 / Amended by OJ L 2, 04.01.2019, p. 17
  Transitional measures in article 5 of Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 in OJ L 2, 04.01.2019, p. 17
- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Pigs for fattening]; Reg. (EC) No 943/2005 / Amended by Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 in OJ L 159, 22.06.2005, p. 6 / Amended by OJ L 2, 04.01.2019, p. 17
  Transitional measures in article 5 of Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 in OJ L 2, 04.01.2019, p. 17
- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Sows]; Reg. (EC) No 1200/2005 / Amended by OJ L 2, 04.01.2019, p. 17
  Transitional measures in article 5 of Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 in OJ L 2, 04.01.2019, p. 17

Amendments

- Regulations (EC) No 1356/2004, (EC) No 1464/2004, (EC) No 786/2007, (EC) No 971/2008, (EU) No 1118/2010, (EU) No 169/2011 and Implementing Regulations (EU) No 888/2011 and (EU) No 667/2013 are amended by Commission Implementing Regulation (EU) 2019/138 of 29 January 2019 in OJ L 26, 30.01.2019, p. 1, as regards the name of the holder of the authorisation : ~~Eli Lilly and Company Limited~~ Elanco GmbH.
- 4; b; Gut flora stabilisers; 4b1871; *Saccharomyces cerevisiae* NCYC R404 (Holder of the authorisation ~~Micron Bio- System Ltd~~ Micron Bio-Systems Ltd, represented by FeedVision BV.) [Dairy cows]; Commission Implementing Regulation (EU) No 2015/502 of 24 March 2015 is amended by Commission Implementing Regulation (EU) 2019/146 of 30 January 2019 in OJ L 27, 31.01.2019, p. 12

## *2018*

## *Edition 7/2018 (266)*: published on 17 December 2018

Applications under article 14 received

- 3; b; Compound of trace elements; 3b8.12; Selenomethionine produced by *Saccharomyces cerevisiae* CNCM I-3399 (Selenised yeast inactivated) [All species]
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; a; Digestibility enhancers; 4a10; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588), subtilisin produced by *Bacillus subtilis* (ATCC 2107) and alpha-amylase produced by *Bacillus amyloliquefaciens* (ATCC 3978) (Holder of the authorisation Danisco Animal Nutrition, legal entity Finnfeeds International Limited) [ Chickens for fattening, Ducks, Turkeys for fattening]; Reg (EC) No 1087/2009 of 12 November 2009; OJ L 297. 13.11.2009. p. 4
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; a; Digestibility enhancers; 4a10; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588), alpha-amylase produced by *Bacillus amyloliquefaciens* (ATCC 3978) and subtilisin produced by *Bacillus subtilis* (ATCC 2107) (Holder of the authorisation Danisco Animal Nutrition) [Laying hens]; Commission Implementing Regulation (EU) No 389/2011 of 19 April 2011; OJ L 104, 19.04.2011. p. 7
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; a; Digestibility enhancers; 4a11; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588) (Holder of the authorisation Danisco Animal Nutrition, Finnfeeds International Limited) [chickens for fattening, laying hens, ducks and turkeys for fattening]; Reg. (EU) No 9/2010 of 23 December in OJ L 3, 07.01.
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; a; Digestibility enhancers; 4a11; Preparation of endo-1,4-β-xylanase (EC 3.2.1.8) produced by *Trichoderma reesei* (ATCC PTA 5588) (Holder of the authorisation Danisco Animal Nutrition) [Minor poultry species other than ducks]; Commission Implementing Regulation (EU) No 1021/2012 of 6 November 2012, 18.01.2013 p. 60 in OJ L307, 07.11.2012. p. 68
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

- 4; a; Digestibility enhancers; 4a11; Preparation of endo-1,4-β-xylanase (EC 3.2.1.8) produced by *Trichoderma reesei* (ATCC PTA 5588) (Holder of the authorisation Danisco Animal Nutrition) [Piglets (weaned) and pigs for fattening]; Commission Implementing Regulation (EU) No 528/2011 of 30 May 2011 in OJ L 143, 31.05.2011. p. 10
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

Amendments

- 5; Coccidiostats and histomonostats; 5 1 772; Narasin 80 g/kg – Nicarbazin 80 g/kg (Maxiban G160) (Holder of the authorisation Elanco GmbH) [Chickens for fattening]; REG. (EU) No 885/2010 of 7 October 2010 is amended by Commission Implementing Regulation (EU) 2018/1957 of 11 December 2018 in OJ L315, 12/12/2018, p. 23
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/1957 of 11 December 2018

Deletions

- 1; c; Emulsifiers; 1c322ii; Hydrolysed lecithins [All species]; Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017; OJ L 333, 15.12.2017, p. 17
  Entry deleted. Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/1980 of 13 December 2018
- 1; c; Emulsifiers; 1c322iii; Lecithins de-oiled [All species]; Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017; OJ L 333, 15.12.2017, p. 17
  Entry deleted. Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/1980 of 13 December 2018
- 1; k; 2 – Microorganisms; *Enterococcus faecium* CNCM I-3236 / ATCC 19434; Reg. (EC) 1831/2003; OJ L 268, 18.10.2003, p. 29
  Moved to Annex II
- 2; b; Natural products – botanically defined; Pinus pinaster Soland.: Pine oil
  Moved to Annex II
- 3; a; Vitamins, provitamins and chemically well-defined substances having similar effect; 3a921; Betaine anhydrous produced from genetically modified sugar beet (Holder of the authorisation Trouw Nutrition International BV); Commission Implementing Regulation (EU) 2015/1060 of 2 July 2015; OJ L 174, 03.07.2015, p. 3
  Authorisation expired
- 4; a; Digestibility enhancers; 4a5; 6-phytase produced by *Pichia pastoris* (DSM 15927) (Quantum Phytase 2500 D; Quantum Phytase 5000 L) (Holder of the authorisation AB Enzyme GmbH) [Chickens for fattening; Ducks for fattening; Turkeys for fattening; Laying hens; Piglets (weaned)]; Reg (EC) No 554/2008 of 17 June 2008
  Authorisation expired

## ***Edition 6/2018 (265)***: published on 24 October 2018

Additions

- 1; d; Stabilisers; 1d401; Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish]; Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 in OJ L 257, 15.10.2018, p.13
- 1; d; Stabilisers; 1d402; Potassium alginate [Cats and dogs]; Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 in OJ L 257, 15.10.2018, p.13
- 1; e; Thickeners; 1d401; Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish]; Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 in OJ L 257, 15.10.2018, p.13

- 1; e; Thickeners; 1d402; Potassium alginate [Cats and dogs]; Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 in OJ L 257, 15.10.2018, p.13
- 1; f; Gelling agents; 1d401; Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish]; Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 in OJ L 257, 15.10.2018, p.13
- 1; f; Gelling agents; 1d402; Potassium alginate [Cats and dogs]; Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 in OJ L 257, 15.10.2018, p.13
- 1; g; Anti-caking agents; 1g598; Dolomite-Magnesite [All species with the exception of dairy cows and other ruminants for dairy production, weaned piglets and pigs for fattening]; Commission Implementing Regulation (EU) 2018/1564 of 17 October 2018 in OJ L 262, 19.10.2018, p. 20
- 1; g; Binders; 1d401; Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish]; Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 in OJ L 257, 15.10.2018, p.13
- 1; g; Binders; 1d402; Potassium alginate [Cats and dogs]; Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 in OJ L 257, 15.10.2018, p.13
- 1; k; Silage additives; 1k21015; *Pediococcus pentosaceus* DSM 32291; Commission Implementing Regulation (EU) No 2018/1543 of 15 October 2018 in OJ L 259, 16.10.2018, p. 22
- 1; m; Substances for the reduction of the contamination of feed by mycotoxins (fumonisins); 1m03i; Fumonisin esterase EC 3.1.1.87 produced by *Komagataella phaffii* (DSM 32159) [All pigs; All poultry species]; Commission Implementing Regulation (EU) No 2018/1568 of 18 October 2018 in OJ L 262, 19.10.2018, p. 34
- 2; b; Flavouring compounds; 2b161; *Cuminum cyminum* L.: Cumin tincture CoE 161; Commission Implementing Regulation (EU) 2018/1559 of 17 October 2018 in OJ L261 50, 18.10.2018, p. 16
- 4; a; Digestibility enhancers; 4a1612i; Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by *Aspergillus niger* (NRRL 25541) and alpha- amylase produced by *Aspergillus niger* (ATCC66222) (Holder of the authorisation Andrés Pintaluba S.A.) [Weaned piglets Minor porcine species (weaned)]; Commission Implementing Regulation (EU) 2018/1 566 of 18 October 2018 in OJ L 262, 19.10.2018, p. 27
- 4; a; Digestibility enhancers; 4a29; Preparation of endo-1,4-beta-mannanase produced by *Paenibacillus lentus* (DSM 28088) (holder of the authorisation Elanco GmbH) [Chickens for fattening; Chickens reared for laying; Minor poultry species other than laying birds; Turkeys for fattening; Turkeys reared for breeding; Weaned piglets; Pigs for fattening; Minor porcine species for fattening]; Commission Implementing Regulation (EU) 2018/1565 of 18 October 2018 in OJ L 262, 19.10.2018, p. 24
- 4; a; Digestibility enhancers; 4a8; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (CBS 114044) (Holder of the authorisation Roal Oy) [Minor poultry species other than laying birds; Laying hens; Laying birds of minor poultry species; Pigs for fattening]; Commission Implementing Regulation (EU) 2018/1569 of 18 October 2018 in OJ L 262, 19.10.2018, p. 37
- 4; b; Gut flora stabilisers; 4b1715; *Lactobacillus acidophilus* CECT 4529 (Holder of the authorisation Centro Sperimentale del Latte) [Cats and dogs]; Commission Implementing Regulation (EU) 2018/1558 of 17 October 2018; OJ L 261, 18.11.2018, p. 13
- 4; d; Other zootechnical additives; 4d210; Benzoic acid (Holder of the authorisation DSM Nutritional Products Ltd) [Piglets (Weaned)]; Commission Implementing Regulation (EU) 2018/1550 of 16 October 2018 in OJ L 260, 17.10.2018, p. 3

- 4; d; Other zootechnical additives; 4d210; Benzoic acid (Holder of the authorisation DSM Nutritional Products Ltd) [Pigs for fattening]; Commission Implementing Regulation (EU) 2018/1550 of 16 October 2018 in OJ L 260, 17.10.2018, p. 3

Corrections

- 2; b; Flavouring compounds; 2b17033; L-Cysteine / CAS No. 52-90-4 / Flavis No. 17.033; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 is corrected by Commission Implementing Regulation (EU) 2018/1567 of 18 October 2018 in OJ 262 19.10.2018, p. 31
- 2; b; Flavouring compounds; 2b920; L-Cysteine hydrochloride monohydrate / CAS No. 7048-04-6 [All species with the exception of cats and dogs]; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 is corrected by Commission Implementing Regulation (EU) 2018/1567 of 18 October 2018 in OJ 262 19.10.2018, p. 31
- 2; b; Flavouring compounds; 2b17034; Glycine / CAS No. 56-40-6 / Flavis No. 17.034; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 is corrected by Commission Implementing Regulation (EU) 2018/1567 of 18 October 2018 in OJ 262 19.10.2018, p. 31

Denial of authorisation

- Commission Implementing Regulation (EU) 2018/1254 of 19 September 2018 in OJ L 237 of 20.09.2018 p. 5 concerning the denial of author isation of riboflavin (80 %) produced by *Bacillus subtilis* KCCM-10445 as a feed additive belonging to the functional group of vitamins, pro-vitamins and chemically well-defined substances having similar effect. Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/1254 of 19 September 2018

Applications under article 14 received

- 4; a; Digestibility enhancers; 4a1704; *Saccharomyces cerevisiae* CBS 493.94 (Holder of the authorisation Alltech France) [Horses]; Reg. (EC) No 886/2009 of 25 september 2009; OJ L 254, 26.09.2009, p. 66
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; a; Digestibility enhancers; 4a9; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (MUCL 49755) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (MUCL 49754) (Holder of the authorisation Aveve NV) [Chickens for fattening]; Reg (EC) No 1091/2009 of 13 November 2009 in OJ L 299, 14.11.2009, p. 6
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; a; Digestibility enhancers; 4a8; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (CBS 114044) (Holder of the authorisation Roal Oy) [piglets (weaned); chickens for fattening; chickens reared for laying; turkeys for fattening; turkeys reared for breeding]; Reg (EC) No 902/2009 of 28 September 2009; OJ L 256, 29.09.2009, p. 23
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

Deletions

- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 401; Sodium alginate [Fish; Pets and other non food producing animals (non-food fur animals)]; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC); OJ L 245, 12.09.1985, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018
- 1; k; 2 – Microorganisms; *Bacillus subtilis* MBS-BS-01; Reg. (EC) 1831/2003; OJ L 268, 18.10.2003, p. 29
  Moved to annex II
- 2; b; Natural products – botanically defined; *Allium cepa* L.: Onion concentrate CoE 24
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Amyris balsamifera* L.: Amyris oil CoE 33
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Anacardium occidentale* L.: Cashew oil CoE 34
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Anethum graveolens* L.: Dill seed extract CAS 8006-75-5 CoE 42 EINECS 289-790-8
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Apium graveolens* L.: Celery seed extract CAS 89997-35-3 FEMA 2270 CoE 52 EINECS 289-668-4
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Artemisia absinthium* L.: Wormwood oil CAS 8008-93-3 FEMA 3116 CoE 61 EINECS 284-503-2
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Artemisia pallens* Wall.: Davana oil CAS 8016-03-3 FEMA 2359 CoE 69 EINECS 295-155-6
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Artemisia vulgaris* L.: Armoise / Mugwort oil CAS 8008-93-3 CoE 72 EINECS 284-503-2
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Bacopa monnieri* (L.) Pennell: Thyme leaved gratiola tincture
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Carum carvi* L. = *Apium carv*i L.: Caraway seed extract /oleoresin CAS 8000-42-8 CoE 112 EINECS 288-921-6
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Cimicifuga simplex* (Wormsk. ex DC.) Ledeb. = *C. racemosa* (L.) Nutt.: Sarashina shoma extract
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Cinnamomum aromaticum* Nees, *C. cassia* Nees ex Blume: Cassia bark extract CAS 84961-46-6 FEMA 2257 CoE 131 EINECS 284-635-0
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Cinnamomum zeylanicum* Bl., *C. verum* J.S. Presl: Cinnamon bark oleoresin CAS 84961-46-6 FEMA 2290 CoE 133 EINECS 283-479-0
  Moved to Annex II

- 2; b; Natural products – botanically defined; *Citrus aurantium* L.: Neroli bigarade oil CAS 8016-38-4 FEMA 2771 CoE 136 EINECS 277-143-2 / Petitgrain bigarade absolute CAS 8014-17-3 CoE 136 EINECS 283-881-6
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Citrus reticulata* Blanco: Mandarin, Tangerine terpenes CoE 142
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Citrus x paradisi* Macfad.: Grapefruit oil expressed CAS 8016-20-4 FEMA 2530 CoE 140 EINECS 289-904-6 / Grapefruit extract CoE 140
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Glycyrrhiza glabra* L.: Licorice extract CAS 97676-23-8 FEMA 2628 CoE 218 EINECS 272-837-1
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Helianthus annuus* L.: Sunflower extract [Cats and dogs]
  Moved to Annex II
- 2; b; Natural products – botanically defined; ; *Hyssopus officinalis* L. = *H. decumbens* Jord. & Fourr.: Hyssop. Oil CAS 8006-83-5 FEMA 2591 CoE 235 EINECS 283-266-3 [Cats & Dogs]
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Juniperus communis* L.: Juniper berry extract CAS 84603-69-0 CoE 249 EINECS 283-268-3
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Laurus nobilis* L.: Laurel leaves extract / oleoresin CAS 84603-73-6 FEMA 2613 CoE 255 EINECS 283-272-5
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Lavandula latifolia* Medik.: Spike lavender oil CoE 256
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Lepidium meyenii* Walp.: Maca extract
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Leptospermum scoparium* J. R. et G. Forst.: Broom teatree oil
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Mallotus philippinensis* (Lam.) Muell. Arg.: Kamala extract CoE 535
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Malpighia glabra* L.: Acerola extract
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Malus sylvestris* Mill.: Apple concentrate CoE 386
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Medicago sativa* L.: Alfalfa tincture CoE 274
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Melissa officinalis* L.: Melissa oil CoE 280
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Mentha pulegium* L.: Pennyroyal oil CAS 8013-99-8 FEMA 2839 CoE 283 EINECS 290-061-1
  Moved to Annex II

- 2; b; Natural products – botanically defined; *Myristica fragrans* Houtt.: Mace oil CAS 8007-12-3 FEMA 2653 CoE 296 EINECS 282-013-3 / Nutmeg oleoresin CAS 84082-68-8 CoE 296 EINECS 282-013-3
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Myroxylon balsamum* (L.) Harms var. pereirae: Balsam Peru oil CAS 8007-00-9 FEMA 2117 CoE 298 EINECS 232-352-8
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Myroxylon balsamum* (L.) Harms: Tolu balsam extract CAS 9000-64- 0 FEMA 3069 CoE 297 EINECS 232-550-4
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Ocimum basilicum* L.: Basil oil CAS 8015-73-4 FEMA 2119 CoE 308 EINECS 283-900-8
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Opopanax chironium* (L.) Koch, *Commiphora erythrea* Engler: Opoponax oil CAS 8021- 36-1 CoE 313 EINECS 232-558-8
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Origanum heracleoticum* L.: Greek oregano extract / oleoresin / Greek oregano oil
  Moved to annex II
- 2; b; Natural products – botanically defined; *Passiflora edulis* Sims. = *P. incarnata* L.: Passionfruit extract CoE 321
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Pelargonium asperum* Her. ex Spreng.: Geranium oil
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Peumus boldus* Mol.: Boldo extract CoE 328 / Boldo tincture CoE 328
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Pimenta racemosa* (Mill.) J.W.Moore: Bay oil CAS 8006-78-8 CoE 334
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Piper methysticum* G. Forst.: Kawa-kawa tincture
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Quillaja saponaria* Molina: Quillaia extract CoE 391
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Ribes nigrum* L.: Black currant extract CoE 399
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Satureja hortensis* L.: Savory summer oil CAS 8016-68-0 FEMA 3013 CoE 425 EINECS 283-922-8
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Sophora japonica* L.: Pagoda tree oil
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Styrax benzoin* Dryand., *S. tonkinensis* (Pierre) Craib ex Hartwich: Benzoin resinoid CAS 9000-05-9FEMA 2133 CoE 439 EINECS 232-523-7
  Moved to Annex II

- 2; b; Natural products – botanically defined; *Tagetes erecta* L., *T. glandulifera* Schrank., *T. minuta* L. e.a.: Tagetes oil CAS 8016- 84-0 FEMA 3040 CoE 443/494 EINECS 294-862-7
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Thea sinensis* L. = *Camellia thea* Link. = *Camellia sinensis* (L.) O. Kuntze: Tea tincture CoE 451
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Uncaria tomentosa* L. = *Ourouparia guianensis* Aubl.: Cat's claw extract
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Valeriana officinalis* L.: Valerian root tincture CoE 473
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Vetiveria zizanoides* (L.) Nash.: Vetiver oil CAS 8016-96-4 CoE 479 EINECS 282-490-8
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Vitis vinifera* L.: Cognac oil green CAS 8016-21-5 FEMA 2331 CoE 485 EINECS 232-403-4 / Cognac oil white CAS 8016-21-5 FEMA 2332 CoE 485 EINECS 232-403-4
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Yucca mohavensis* Sarg. = *Y. schidigera* Roezl ex Ortgies: Mojave yucca extract CAS 90147-57-2 FEMA 3121 EINECS 290-449-0
  Moved to Annex II
- 2; b; Natural products – botanically defined; *Zingiber officinale* Rosc.: Ginger extract CAS 84696-15-1 FEMA 2521 CoE 489 EINECS 283-634-2
- 4; d; Other zootechnical additives; 4d210; Benzoic acid (VevoVitall) (Holder of the authorisation DSM Nutritional Products Ltd) [Piglets (Weaned)]; Reg. (EC) No 1730/2006 of 23 November 2006 in OJ L 325, 24.11.2006, p. 9
  Repealed by Commission Implementing Regulation (EU) 2018/1550 of 16 October 2018
- 4; d; Other zootechnical additives; 4d210; Benzoic acid (VevoVitall) (Holder of the authorisation DSM Nutritional Products Ltd) [Pigs for fattening]; Reg. (EC) No 1138/2007 of 1 October 2007; OJ L 256, 02.10.2007, p. 8
  Repealed by Commission Implementing Regulation (EU) 2018/1550 of 16 October 2018

## ***Edition 5/2018 (264)***: published on 03 August 2018

Additions

- 3; b; Compound of trace elements; 3b401; Copper(II) diacetate monohydrate; Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 186, 24.07.2018, p. 3
- 3; b; Compound of trace elements; 3b402; Copper(II) carbonate dihydroxy monohydrate; Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 186, 24.07.2018, p. 3
- 3; b; Compound of trace elements; 3b403; Copper(II) chloride dihydrate; Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 186, 24.07.2018, p. 3
- 3; b; Compound of trace elements; 3b404; Copper(II) oxide; Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 186, 24.07.2018, p. 3
- 3; b; Compound of trace elements; 3b405; Copper(II) sulphate pentahydrate; Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 186, 24.07.2018, p. 3

- 3; b; Compound of trace elements; 3b406; Copper(II) chelate of amino acids hydrate; Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 186, 24.07.2018, p. 3
- 3; b; Compound of trace elements; 3b407; Copper(II) chelate of protein hydrolysates; Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 186, 24.07.2018, p. 3
- 3; b; Compound of trace elements; 3b413; Copper(II) chelate of glycine hydrate (solid); Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 186, 24.07.2018, p. 3
- 3; b; Compound of trace elements; 3b414; Copper(II) chelate of glycine hydrate (liquid); Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 186, 24.07.2018, p. 3
- 4; a; Digestibility enhancers; 4a28; Preparation of endo-1,4-beta-xylanase and endo-1,3(4)-beta-g lucanase pro - duced by *Komagataella pastoris* (CBS 25376) and *Komagataella pastoris* (CBS 26469) (holder of the authorisation Kaesler Nutrition GmbH) [Chickens for Fattening; Chickens reared for laying; Turkeys for fattening; All avian species reared for laying or for breeding purposes other than chickens reared for laying; Piglets (weaned); Minor porcine species (weaned)]; Commission Implementing Regulation (EU) 2018/1090 of 31 July 2018; OJ L 195, 01.08.2018, p. 23
- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Pigs for fattening]; Commission Implementing Regulation (EU) 2018/1081 of 31 July 2018; OJ L 194, 31.08.2018, p.137
- 4; b; Gut flora stabilisers; 4b1825; *Bacillus subtilis* (DSM 28343) (Holder of the authorisation Lactosan GmbH & Co. KG) [Piglets (weaned)]; Commission Implementing Regulation (EU) 2018/1079 of 30 July 2018; OJ L 194, 31.07.2018, p. 131
- 4; b; Gut flora stabilisers; 4b1829; *Bacillus subtilis* DSM 29784 (Holder of the authorisation Adisseo France SAS) [Minor poultry species for fattening and reared for laying]; Commission Implementing Regulation (EU) 2018/1080 of 31 July 2018; OJ L 194, 31.07.2018, p. 134
- 4; d; Other zootechnical additives; 4d14; Preparation of benzoic acid, calcium formate and fumaric acid, (Holder of the authorisation Novus Europe SA/NV) [Chickens for fattening; Chickens reared for laying]; Commission Implementing Regulation (EU) 2018/982 of 11 July 2018; OJ L 176 12.07.2018, p. 13
- 4; d; Other zootechnical additives; 4d210; Benzoic acid (VevoVitall) (Holder of the authorisation DSM Nutritional Products Sp. z o. o.) [Minor porcine species for fattening and for reproduction]; Commission Implementing Regulation (EU) 2018/983 of 11 July 2018; OJ L 176 12.07.2018, p. 17

Deletions

- 3; b; Trace elements; E 4; Copper – Cu, Basic cupric carbonate, monohydrate; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrigendum / Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
  Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
- 3; b; Trace elements; E 4; Copper – Cu, Cupric acetate, monohydrate; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrigendum / Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
  Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018

- 3; b; Trace elements; E 4; Copper – Cu, Cupric chelate of amino acids hydrate; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrigendum / Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
  Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
- 3; b; Trace elements; E 4; Copper – Cu, Cupric chloride, dihydrate; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrigendum / Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
  Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
- 3; b; Trace elements; E 4; Copper – Cu, Cupric oxide; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrigendum / Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
  Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
- 3; b; Trace elements; E 4; Copper – Cu, Cupric sulphate, pentahydrate; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrigendum / Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
  Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
- 3; b; Trace elements; E 4; Copper – Cu, Cupric chelate of glycine, hydrate; Reg. (EC) No 479/2006/ Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018

Amendments

- 3; b; Compound of trace elements; 3b409; Dicopper chloride trihydroxide; Commission Implementing Regulation (EU) No 269/2012 of 26 March 2012 / Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 89, 27.03.2012, p. 3 / Amended by OJ L 186, 24.07.2018, p. 3
  Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
- 3; b; Compound of trace elements; 3b4.10; Copper chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 349/2010 of 23 April 2010 / Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 104, 24.04.2010, p. 31 / Amended by OJ L 186, 24.07.2018, p. 3
  Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018
- 3; b; Compound of trace elements; 3b411; Copper bilysinate; Commission Implementing Regulation (EU) No 1230/2014 of 17 November 2014 / Amended by Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018; OJ L 331, 18.11.2014, p.18 / Amended by OJ L 186, 24.07.2018, p. 3
  Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018

Applications under article 14 received

- 4; d; Other zootechnical additives; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Salmonids; Shrimps]; Reg. (EC) No 911/2009 of 29 September 2009 / Amended by Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016; OJ L 257, 30.09.2009, p. 10 / Amended by OJ L 342, 16.12.2016, p. 14
- 4; d; Other zootechnical additives; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [All fish other than salmonids]; Commission Implementing Regulation (EU) No 95/2013 of 1 February 2013 / Amended by Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016; OJ L 33, 02.02.2013, p. 19 / Amended by OJ L 342, 16.12.2016, p. 14
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Piglets (weaned) (drinking water); Pigs for fattening (drinking water); Laying hens (drinking water); Chickens for fattening (drinking water)]; Commission Implementing Regulation (EU) No 413/2013 of 6 May 2013 in OJ L 125, 07.05.2013, p. 1
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Piglets (weaned)]; Reg. (EU) No 1120/2010 of 2 December 2010; OJ L 317, 03.12.2010, p. 12
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M in water for drinking (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Pigs for fattening; Minor porcine species (weaned and for fattening; Minor porcine species (weaned and for fattening] Commission Implementing Regulation (EU) 2017/2299 of 12 December 2017 ; OJ L 329, 13.12.2017, p. 33
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Laying hens] ;Reg. (EU) No 212/2011 of 3 March 2011 / Amended by Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016; OJ L 59, 04.03.2011, p. 1 / Amended by OJ L 342, 16.12.2016, p. 14

## ***Edition 4/2018 (263)***: published on 08 June 2018

Applications under article 14 received

- 4; a; Digestibility enhancers; 4a1640; 6-Phytase / EC 3.1.3.26 produced by *Schizosaccharomyces pombe* (ATCC 5233) Liquid and solid form: 5 000 FTU/g; (Holder of the authorisation Danisco Animal Nutrition (legal entity Danisco (UK) Limited)) [All avian species for fattening other than chickens for fattening, turkeys for fattening and ducks for fattening; All avian species for laying other than laying hens]; Commission Implementing Regulation (EU) No 840/2012 of 18 September 2012; OJ L 252, 19.09.2012, p. 14
- 4; b; Gut flora stabilisers; 4b1710; *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Sows]; Reg. (EC) No 896/2009 of 25 September 2009 in OJ L 256, 29.09.2009, p. 6
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

Deletions

- 2; a; Other colourants; E 141; Chlorophyllin Copper Complex as colouring agents authorised for colouring foodstuffs by Community rules (see "Other provisions" in Directive) [All species or categories of animals with the exception of dogs and cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C

50/01); OJ C 50, 25.02.2004, p. 1
Moved to annex II

- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex [Grain-eating ornamental birds; Small rodents]; Reg. (EC) No 358/2005; OJ L 57, 03.03.2005, p. 3
  Moved to annex II
- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex [Ornamental fish]; Reg. (EC) No 358/2005; OJ L 57, 03.03.2005, p. 3
  Moved to annex II

Corrections

- 4; b; Gut flora stabilisers; 4d1703; *Saccharomyces cerevisiae* CNCM I-1079 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Sows; Weaned piglets]; Commission Implementing Regulation (EU) No 2018/347 of 5 March 2018; OJ L 67, 09.03.2018, p. 21

## ***Edition 3/2018 (262)***: published on 04 May 2018

Applications under article 14 received

- 4; a; Digestibility enhancers; 4a1640; 6-Phytase / EC 3.1.3.26 produced by *Schizosaccharomyces pombe* (ATCC 5233) Solid coated form: 10 000 FTU/g; Liquid form: 10 000 FTU/ml (Holder of the authorisation Danisco Animal Nutrition, legal entity Danisco (UK) Limited) [Chickens for fattening; Turkeys for fattening; Laying hens; Ducks for fattening; Piglets (weaned); Pigs for fattening; Sows]; Reg (EC) No 379/2009 of 8 May 2009 in OJ L 116, 09.05.2009, p. 6
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; a; Digestibility enhancers; 4a7; Preparation of endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) and endo-1,4-beta-glucanase produced by *Aspergillus niger* (DSM 18404) (Holder of the authorisation BASF SE) [Piglets (weaned); Chickens for fattening; Laying hens; Turkeys for fattening; Ducks for fattening]; Reg (EC) No 271/2009 of 2 April 2009 / Corrigendum in O.J. L 94 of 08.04.2009 p. 112 / Amended by Commission Implementing Regulation (EU) No 1070/2014 of 10 October 2014
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; a; Digestibility enhancers; 4a7; Preparation of endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) and endo-1,4-beta-glucanase produced by *Aspergillus niger* (DSM 18404) (Holder of the authorisation BASF SE) [Minor poultry species for fattening (other than ducks for fattening) and ornamental birds; Chickens reared for laying, turkeys for breeding purposes, turkeys reared for breeding and all minor avian species for laying]; Commission Implementing Regulation (EU) No 1068/2011 of 21 October 2011 / Corrigendum in OJ L 328 (BG, ES, CS, LT, PL, PT, RO, SV) of 10.12.2011, p. 59 / Amended by Commission Implementing Regulation (EU) No 2017-950 of 2 June 2017
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

Corrections

- 2; b; Natural products – botanically defined; *Illicium verum* Hook, Anisum stellatum: Anise star oil terpenless CAS 8007-70-3 CoE 238 EINECS 283-518-1 / Anise star tincture CoE 238 / Anise star terpenes CoE 238

Additions

- 2; b; Flavouring compounds; 2b627; Disodium 5′-guanylate; Commission Implementing Regulation (EU) 2018/238 of 15 February 2018in OJ L 53, 23.02.2018, p. 1
- 2; b; Flavouring compounds; 2b631; Disodium 5′-inosinate; Commission Implementing Regulation (EU) 2018/238 of 15 February 2018in OJ L 53, 23.02.2018, p. 1
- 2; b; Flavouring compounds; 2b635; Disodium 5′-ribonucleotide; Commission Implementing Regulation (EU) 2018/238 of 15 February 2018in OJ L 53, 23.02.2018, p. 1

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- 2; b; Flavouring compounds; 2b09715; Methyl anthranilate CAS No. 134-20-3 / Flavis No. 09.715 [All animal species with the exception of avian species]; Commission Implementing Regulation (EU) 2018/239 of 15 February 2018in OJ L 53, 23.02.2018, p. 9
- 2; b; Flavouring compounds; 2b09781; Methyl N-methylanthranilate / CAS No. 85-91-6 / Flavis No. 09.781 [All animal species with the exception of avian species]; Commission Implementing Regulation (EU) 2018/239 of 15 February 2018in OJ L 53, 23.02.2018, p. 9

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- 2; b; Flavouring compounds; 2b03006; 2-Methoxyethyl benzene / CAS No. 3558-60-9 / Flavis No. 03.006; Commission Implementing Regulation (EU) 2018/240 of 15 February 2018in OJ L 53, 23.02.2018, p. 14
- 2; b; Flavouring compounds; 2b04016; 1,3-Dimethoxybenzene / CAS No. 151-10-0 / Flavis No. 04.016; Commission Implementing Regulation (EU) 2018/240 of 15 February 2018in OJ L 53, 23.02.2018, p. 14
- 2; b; Flavouring compounds; 2b04034; 1,4-Dimethoxybenzene / CAS No. 150-78-7 / Flavis No. 04.034; Commission Implementing Regulation (EU) 2018/240 of 15 February 2018in OJ L 53, 23.02.2018, p. 14
- 2; b; Flavouring compounds; 2b04043; 1-Isopropyl-2-methoxy-4-methylbenzene / CAS No. 1076-56-8 / Flavis No. 04.043; Commission Implementing Regulation (EU) 2018/240 of 15 February 2018in OJ L 53, 23.02.2018, p. 14
- 2; b; Flavouring compounds; 2b11001; 3-Methylbutylamine / CAS No. 107-85-7 / Flavis No. 11.001 [All species with the exception of laying hens]; Commission Implementing Regulation (EU) 2018/240 of 15 February 2018in OJ L 53, 23.02.2018, p. 14
- 2; b; Flavouring compounds; 2b11009; CAS No. 75-50-3 / Trimethylamine / Flavis No. 11.009 [All species with the exception of laying hens]; Commission Implementing Regulation (EU) 2018/240 of 15 February 2018in OJ L 53, 23.02.2018, p. 14
- 2; b; Flavouring compounds; 2b11024; Trimethylamine hydrochloride / CAS No. 593-81-7 / Flavis No. 11.024 [All species with the exception of laying hens]; Commission Implementing Regulation (EU) 2018/240 of 15 February 2018in OJ L 53, 23.02.2018, p. 14

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- 2; b; Flavouring compounds; 2b14003; Piperine / CAS No. 94-62-2 / Flavis No. 14.003; Commission Implementing Regulation (EU) 2018/241 of 15 February 2018in OJ L 53, 23.02.2018, p. 27
- 2; b; Flavouring compounds; 2b14004; 3-Methylindole / CAS No. 83-34-1 / Flavis No. 14.004; Commission Implementing Regulation (EU) 2018/241 of 15 February 2018in OJ L 53, 23.02.2018, p. 9

- 2; b; Flavouring compounds; 2b14007; Indole / CAS No. 120-72-9 / Flavis No. 14.007; Commission Implementing Regulation (EU) 2018/241 of 15 February 2018in OJ L 53, 23.02.2018, p. 9
- 2; b; Flavouring compounds; 2b14047; 2-Acetylpyrrole / CAS No. 1072-83-9 / Flavis No. 14.047; Commission Implementing Regulation (EU) 2018/241 of 15 February 2018in OJ L 53, 23.02.2018, p. 27
- 2; b; Flavouring compounds; 2b14064; Pyrrolidine / CAS No. 123-75-1 / Flavis No. 14.064; Commission Implementing Regulation (EU) 2018/241 of 15 February 2018in OJ L 53, 23.02.2018, p. 27

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- 2; b; Flavouring compounds; 2b02011; Citronellol / CAS No. 106-22-9 / Flavis No. 02.011; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b02056; Hex-3(cis)-en-1-ol / CAS No. 928-91-6 / Flavis No. 02.056; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b02093; Non-6-en-1-ol / CAS No. 35854-86-5 / Flavis No. 02.093; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b02094; Oct-3-en-1-ol / CAS No. 20125-84-2 / Flavis No. 02.094; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b02229; (-)-3,7-Dimethyl-6-octen-1-ol / CAS No. 7540-51-4 / Flavis No. 02.229; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b05021; Citronellal / CAS No. 106-23-0 / Flavis No. 05.021; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b05059; Non-6(cis)-enal / CAS No. 2277-19-2 / Flavis No. 05.059; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b05074; 2,6-Dimethylhept-5-enal / CAS No. 106-72-9 /Flavis No. 05.074; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b05075; Hex-3(cis)-enal / CAS No. 6789-80-6 / Flavis No. 05.075; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b05085; Hept-4-enal / CAS No. 6728-31-0 / Flavis No. 05.085; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b06081; 1-Ethoxy-1-(3-hexenyloxy)ethane / CAS No. 28069-74-1 / Flavis No. 06.081; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b08036; Citronellic acid / CAS No. 502-47-6 / Flavis No. 08.036; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b09012; Citronellyl acetate / CAS No. 150-84-5 / Flavis No. 09.012; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36

- 2; b; Flavouring compounds; 2b09049; Citronellyl butyrate / CAS No. 141-16-2 / Flavis No. 09.049; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b09078; Citronellyl formate / CAS No. 105-85-1 / Flavis No. 09.078; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b09129; Citronellyl propionate / CAS No. 141-14-0 / Flavis No. 09.129; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b09197; Hex-3(cis)-enyl acetate / CAS No. 3681-71-8 / Flavis No. 09.197; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b09240; Hex-3(cis)-enyl formate / CAS No. 33467-73-1 / Flavis No. 09.240; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b09270; Hex-3-enyl butyrate / CAS No. 16491-36-4 / Flavis No. 09.270; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b09271; Hex-3-enyl hexanoate / CAS No. 31501-11-8 / Flavis No. 09.271; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b09505; Hex-3-enyl isovalerate / CAS No. 10032-11-8 / Flavis No. 09.505; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36
- 2; b; Flavouring compounds; 2b09563; Hex-3(cis)-enyl isobutyrate / CAS No. 41519-23-7 / Flavis No. 09.563; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018in OJ L 53, 23.02.2018, p. 36

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- 2; b; Flavouring compounds; 2b07051; 3-Hydroxybutan-2-one / CAS No. 513-86-0 / Flavis No. 07.051; Commission Implementing Regulation (EU) 2018/243 of 15 February 2018in OJ L 53, 23.02.2018, p. 69
- 2; b; Flavouring compounds; 2b07060; Pentan-2,3-dione / CAS No. 600-14-6 / Flavis No. 07.060; Commission Implementing Regulation (EU) 2018/243 of 15 February 2018in OJ L 53, 23.02.2018, p. 69
- 2; b; Flavouring compounds; 2b07076; 3,5-Dimethylcyclopentan-1,2-dione / CAS No. 13494-07-0 / Flavis No. 07.076; Commission Implementing Regulation (EU) 2018/243 of 15 February 2018in OJ L 53, 23.02.2018, p. 69
- 2; b; Flavouring compounds; 2b07077; Hexan-3,4-dione / CAS No. 4437-51-8 / Flavis No. 07.077; Commission Implementing Regulation (EU) 2018/243 of 15 February 2018in OJ L 53, 23.02.2018, p. 69
- 2; b; Flavouring compounds; 2b07109; 2,6,6-Trimethylcyclohex-2-en-1,4-dione / CAS No. 1125-21-9 / Flavis No. 07.109; Commission Implementing Regulation (EU) 2018/243 of 15 February 2018in OJ L 53, 23.02.2018, p. 69
- 2; b; Flavouring compounds; 2b07184; 3-Methylnona-2,4-dione / CAS No. 113486-29-6 / Flavis No. 07.184; Commission Implementing Regulation (EU) 2018/243 of 15 February 2018in OJ L 53, 23.02.2018, p. 69
- 2; b; Flavouring compounds; 2b09186; CAS No. 4906-24-5 / sec-Butan-3-onyl acetate / Flavis No. 09.186; Commission Implementing Regulation (EU) 2018/243 of 15 February 2018in OJ L 53, 23.02.2018, p. 69

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- 2; b; Flavouring compounds; 2b07005; Vanillyl acetone / CAS No. 122-48-5 / Flavis No. 07.005; Commission Implementing Regulation (EU) 2018/244 of 15 February 2018in OJ L 53, 23.02.2018, p. 81
- 2; b; Flavouring compounds; 2b07029; 4-(4-Methoxyphenyl)butan-2-one / CAS No. 104-20-1 / Flavis No. 07.029; Commission Implementing Regulation (EU) 2018/244 of 15 February 2018in OJ L 53, 23.02.2018, p. 81

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- 2; b; Flavouring compounds; 2b02015; Menthol / CAS No. 89-78-1 / Flavis No. 02.015; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b02038; Fenchyl alcohol / CAS No. 1632-73-1 / Flavis No. 02.038; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b07078; d,l-Isomenthone / CAS No. 491-07-6 / Flavis No. 07.078; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b07094; 3-Methyl-2(pent-2(cis)-enyl)cyclopent-2-en-1-one / CAS No. 488-10-8 / Flavis No. 07.094; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b07126; CAS No. 78-59-1 / 3,5,5-Trimethylcyclohex-2-en-1-one / Flavis No. 07.126; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018; OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b07146; d-Carvone / CAS No. 2244-16-8 / Flavis No. 07.146; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b07159; CAS No. 4695-62-9 / d-Fenchone / Flavis No. 07.159; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b09016; Menthyl acetate / CAS No. 29066-34-0 / Flavis No. 09.016; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b09215; Carvyl acetate / CAS No. 97-42-7 / Flavis No. 09.215; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b09216; Dihydrocarvyl acetate / CAS No. 20777-49-5 / Flavis No. 09.216; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87
- 2; b; Flavouring compounds; 2b09269; Fenchyl acetate / CAS No. 13851-11-1 / Flavis No. 09.269; Commission Implementing Regulation (EU) 2018/245 of 15 February 2018in OJ L 53, 23.02.2018, p. 87

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- 2; b; Flavouring compounds; 2b13140; Linalool oxide / CAS No. 1365-19-1 / Flavis No. 13.140 [All species with the exception of fish];

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- 2; b; Flavouring compounds; 2b15013; 2-Isobutylthiazole / CAS No. 18640-74-9 / Flavis No. 15.013; Commission Implementing Regulation (EU) 2018/247 of 15 February 2018in OJ L 53, 23.02.2018, p. 109

- 2; b; Flavouring compounds; 2b15014; 5-(2-Hydroxyethyl)-4-methylthiazole / CAS No. 137-00-8 /Flavis No. 15.014; Commission Implementing Regulation (EU) 2018/247 of 15 February 2018in OJ L 53, 23.02.2018, p. 109
- 2; b; Flavouring compounds; 2b15019; 2,4,5-Trimethylthiazole / CAS No. 13623-11-5 / Flavis No. 15.019; Commission Implementing Regulation (EU) 2018/247 of 15 February 2018in OJ L 53, 23.02.2018, p. 109
- 2; b; Flavouring compounds; 2b15020; 2-Acetylthiazole / CAS No. 24295-03-2 / Flavis No. 15.020; Commission Implementing Regulation (EU) 2018/247 of 15 February 2018in OJ L 53, 23.02.2018, p. 109
- 2; b; Flavouring compounds; 2b15033; 2-Ethyl 4-methylthiazole / CAS No. 15679-12-6 / Flavis No. 15.033; Commission Implementing Regulation (EU) 2018/247 of 15 February 2018in OJ L 53, 23.02.2018, p. 109
- 2; b; Flavouring compounds; 2b15113; 5,6-Dihydro-2,4,6,tris(2-methylpropyl)4H-1,3,5-dithiazine / CAS No. 74595-94-1 / Flavis No. 15.113; Commission Implementing Regulation (EU) 2018/247 of 15 February 2018in OJ L 53, 23.02.2018, p. 109
- 2; b; Flavouring compounds; 2b16027; Thiamine hydrochloride / CAS No. 67-03-8 / Flavis No. 16.027; Commission Implementing Regulation (EU) 2018/247 of 15 February 2018in OJ L 53, 23.02.2018, p. 109

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- 2; b; Flavouring compounds; 2b14022; 2-Ethylpyrazine / CAS No. 13925-00-3 / Flavis No. 14.022; Commission Implementing Regulation (EU) 2018/248 of 15 February 2018in OJ L 53, 23.02.2018, p. 120
- 2; b; Flavouring compounds; 2b14028; 5-Methylquinoxaline / CAS No. 13708-12-8 /Flavis No. 14.028; Commission Implementing Regulation (EU) 2018/248 of 15 February 2018in OJ L 53, 23.02.2018, p. 120
- 2; b; Flavouring compounds; 2b14049; 2-Acetyl-3-ethylpyrazine / CAS No. 32974-92-8 / Flavis No. 14.049; Commission Implementing Regulation (EU) 2018/248 of 15 February 2018in OJ L 53, 23.02.2018, p. 120
- 2; b; Flavouring compounds; 2b14062; 2-(sec-Butyl)-3-methoxypyrazine / CAS No. 24168-70-5 / Flavis No. 14.062; Commission Implementing Regulation (EU) 2018/248 of 15 February 2018in OJ L 53, 23.02.2018, p. 120
- 2; b; Flavouring compounds; 2b14112; 2-Ethyl-3-methoxypyrazine / CAS No. 25680-58-4 / Flavis No. 14.112; Commission Implementing Regulation (EU) 2018/248 of 15 February 2018in OJ L 53, 23.02.2018, p. 120
- 2; b; Flavouring compounds; 2b14015; 5,6,7,8-Tetrahydroquinoxaline / CAS No. 34413-35-9 / Flavis No. 14.015; Commission Implementing Regulation (EU) 2018/248 of 15 February 2018in OJ L 53, 23.02.2018, p. 120
- 2; b; Flavouring compounds; 2b14005; 2,3-Diethylpyrazine / CAS No. 15707-24-1 / Flavis No. 14.005; Commission Implementing Regulation (EU) 2018/248 of 15 February 2018in OJ L 53, 23.02.2018, p. 120
- 2; b; Flavouring compounds; 2b14056; 2,3-Diethyl-5-methylpyrazine / CAS No. 18138-04-0 / Flavis No. 14.056; Commission Implementing Regulation (EU) 2018/248 of 15 February 2018in OJ L 53, 23.02.2018, p. 120
- 2; b; Flavouring compounds; 2b14025; 2,5 or 6-methoxy-3-methylpyrazine / CAS No. 63450-30-6 / Flavis No. 14.025; Commission Implementing Regulation (EU) 2018/248 of 15 February 2018in OJ L 53, 23.02.2018, p. 120

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- 2; b; Flavouring compounds; 2b16056; Taurine / CAS No. 107-35-7 / Flavis No. 16.056; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17001; beta-Alanine / CAS No. 107-95-9 / Flavis No. 17.001; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17002; L-Alanine / CAS No. 56-41-7 / Flavis No. 17.002; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17003; L-Arginine / CAS No. 74-79-3 / Flavis No. 17.003; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17005; L-Aspartic acid / CAS No. 56-84-8 / Flavis No. 17.005; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17008; L-Histidine / CAS No. 71-00-1 / Flavis No. 17.008; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17010; D,L-Isoleucine / CAS No. 443-79-8 / Flavis No. 17.010; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17012; L-Leucine / CAS No. 61-90-5 /Flavis No. 17.012; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17018; L-Phenylalanine / CAS No. 63-91-2 / Flavis No. 17.018; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17019; L-Proline / CAS No. 147-85-3 / Flavis No. 17.019; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17020; D,L-Serine / CAS No. 302-84-1 / Flavis No. 17.020; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17022; L-Thyrosine / CAS No. 60-18-4 / Flavis No. 17.022; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17027; L-Methionine / CAS No. 63-68-3 / Flavis No. 17.027; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17028; L-Valine / CAS No. 72-18-4 / Flavis No. 17.028; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17033; L-Cysteine / CAS No. 52-90-4 / Flavis No. 17.033; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b17034; Glycine / CAS No. 56-40-6 / Flavis No. 17.034; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134

- 2; b; Flavouring compounds; 2b620; CAS No. 56-86-0 / L-glutamic acid ; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b621; Monosodium glutamate / CAS No. 142-47-2 / ; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134
- 2; b; Flavouring compounds; 2b920; L-Cysteine hydrochloride monohydrate / CAS No. 7048-04-6 [All species with the exception of cats and dogs]; Commission Implementing Regulation (EU) 2018/249 of 15 February 2018in OJ L 53, 23.02.2018, p. 134

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- 2; b; Flavouring compounds; 2b13002; CAS No. 611-13-2 / Methyl 2-furoate / Flavis No. 13.002; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13016; Bis-(2-Methyl-3-furyl) disulfide / CAS No. 28588-75-2 / Flavis No. 13.016; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13018; Furfural / CAS No. 98-01-1 / Flavis No. 13.018; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13019; Furfuryl alcohol / CAS No. 98-00-0 / Flavis No. 13.019; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13033; S-Furfuryl acetothioate / CAS No. 13678-68-7 / Flavis No. 13.033; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13050; Difurfuryl sulfide / CAS No. 4437-20-1 / Flavis No. 13.050; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13053; Methyl furfuryl Sulfide / CAS No. 1438-91-1 / Flavis No. 13.053; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13055; 2-Methylfuran-3-thiol / CAS No. 28588-74-1 / Flavis No. 13.055; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13064; Methyl furfuryl disulfide / CAS No. 57500-00-2 / Flavis No. 13.064; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13079; Methyl 2-methyl-3-furyl disulfide / CAS No. 65505-17-1 / Flavis No. 13.079; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; Flavouring compounds; 2b13128; Furfuryl acetate / CAS No. 623-17-6 / Flavis No. 13.128; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166
- 2; b; natural or corresponding synthetic chemically defined flavourings; 2b13026; 2-Furanmethanethiol / CAS No. 98-02-2 / Flavis No. 13.026; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018in OJ L 53, 23.02.2018, p. 166

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- 1; k; Silage additives; 1k20758; Lactobacillus buchneri NRRL B-50733; Commission Implementing Regulation (EU) No 2018/346 of 5 March 2018 in OJ L 67, 09.03.2018, p. 18

- 4; a; Digestibility enhancers; 4a1617; Endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Trichoderma citrinoviride* Bisset (IM SD135) (Holder of the authorisation Huvepharma NV) [Carp] ; Commission Implementing Regulation (EU) 2018/327 of 5 March 2018 in OJ L 63, 06.03.2018, p. 7
- 4; a; Digestibility enhancers; 4a27; Preparation of 6-phytase, produced by *Aspergillus niger* (DSM 25770) (BASF SE) [Pigs for fattening; Sows; Minor porcine species for fattening or for reproduction; Weaned piglets; Chickens for fattening; Chickens reared for laying; Chickens for fattening Chickens reared for laying]; Commission Implementing Regulation (EU) 2018/338 of 7 March 2018 in OJ L 65, 08.03.2018, p. 17
- 4; b; Gut flora stabilisers; 4b1829; *Bacillus subtilis* DSM 29784 (Holder of the authorisation Adisseo France SAS) [Chickens for fattening; Chickens reared for laying]; Commission Implementing Regulation (EU) 2018/328 of 5 March 2018 in OJ L 63, 06.03.2018, p. 10
- 4; d; Other zootechnical additives; 4d1703; Saccharomyces cerevisiae CNCM I-1079 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Sows; Weaned piglets]; Commission Implementing Regulation (EU) No 2018/347 of 5 March 2018 in OJ L 67, 09.03.2018, p. 21

Denials

- 1-phenylethan-1-ol; Authorisation denied by Commission Implementing Regulation (EU) 2018/244 of 15 February 2018 in OJ L 53, 23.02.2018, p. 81
  Transitional measures in article 3 thereof.
- Disodium 5′-ribonucleotides, disodium 5′-guanylate and disodium 5′-inosinate produced by fermentation; Authorisation denied by Commission Implementing Regulation (EU) 2018/238 of 15 February 2018in OJ L 53, 23.02.2018, p. 1
  Transitional measures in article 3 thereof.
- Formaldehyde as a feed additive belonging to the functional groups of preservatives and hygiene condition enhancers; Authorisation denied by Commission Implementing Regulation (EU) 2018/183 of 7 February 2018 in OJ L 3453, 08.02.2018, p. 6
  Transitional measures in article 2 thereof.

Corrections in annex II

- 2; a (i); Other colourants; E 122; Azorubine (carmoisine) as a colouring agent All species with the exception of dogs and cats for uses belonging to the functional group 2(a) (i)]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; inOJ L 68, 12.03.2018, p. 3
- 2; a (iii); Other colourants; E 124; Ponceau 4 R as colouring agents [All species with the exception of ornamental fish]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; inOJ L 68, 12.03.2018, p. 3
- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex as colouring agents [All species except ornamental fish, grain-eating ornamental birds and small rodents]; Regulation (EC) No 2697/2000 and Reg. (EC) No 358/2005 / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018 in OJ L 68, 12.03.2018, p. 3

- 2; a (iii); Other colourants; E 153; Carbon black [Ornamental fish]; Commission Directive 94/17/EC of 22 April 1994 amending Council Directive 70/524/EEC concerning additives in feedingstuffs/ Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018 in OJ L 68, 12.03.2018, p. 3
- 2; a; Carotenoids and xanthophylls; E 161j; Astaxantin [All species with the exception of:
  - Fish and crustaceans for uses belonging to the functional group 2(a) (ii)
  - Ornamental fish for uses belonging to the functional group 2(a) (iii)]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; inOJ L 68, 12.03.2018, p. 3
- 2; a; Other colourants; E 102; Tartrazine [All species except ornamental fish, grain-eating ornamental birds and small rodents]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; inOJ L 68, 12.03.2018, p. 3
- 2; a; Other colourants; E 104; Quinoline Yellow [All species except non-food producing animals for uses belonging to the functional group 2(a) (i)]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; inOJ L 68, 12.03.2018, p. 3
- 2; a; Other colourants; E 110; Sunset yellow FCF As colourants [All species except ornamental fish, grain-eating ornamental birds and small rodents] ; Reg. (EC) No 358/2005 / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018 in OJ L 68, 12.03.2018, p. 3
- 2; a; Other colourants; E 127; Erythrosine as colouring agents [All species with the exception of ornamental fish]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; inOJ L 68, 12.03.2018, p. 3
- 2; a; Other colourants; E 132; Indigotine as colouring agents [All species with the exception of ornamental fish] ; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; inOJ L 68, 12.03.2018, p. 3
- 2; a; Other colourants; E 155; Brown HT [Dogs and cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; inOJ L 68, 12.03.2018, p. 3

- 2; a; Other colourants; Relevant E number; Colouring agents authorised for colouring foodstuffs by Community rules, with the exception of:
  - E 141 Chlorophyllin Copper Complex [All species];
  - E 150b, E 150c and E 150d Caramel colours [All species];
  - E 153 Carbon black [All species]
  - E 171 Titanium dioxide (anatase & rutile structure) [All species];
  - E 172 Iron Oxide Red, Black & Yellow [All species]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018; inOJ L 68, 12.03.2018, p. 3
- 2; a; Other colourants; Relevant E number; Colouring agents authorised for colouring foodstuffs by Community rules, with the exception of
  - E 102 Tartrazine [All species except except dogs and cats];
  - E 110 Sunset yellow FCF [All species except except dogs and cats];
  - E 120 Carmine (Carmine Lake WSP 50%) [All species except except dogs and cats];
  - E 124 Ponceau 4 R [All species except except dogs and cats];
  - E 127 Erythrosine [All species except except dogs and cats and reptiles]
  - E 129 Allura red [All species except except dogs and cats]
  - E 132 Indigotine [All species except except dogs and cats]
  - E 133 Brilliant blue FCF [All species except except dogs and cats]
  - E 160b Bixin [All species except except dogs and cats];; Reg. (EC) No 358/2005 / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 / Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018 in OJ L 68, 12.03.2018, p. 3

Deletions in Annex I

- 2; a; Other colourants; E 172; Iron Oxide Red, Black & Yellow as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats; All species or categories of animals with the exception of dogs, cats and horses]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015
  Horses moved to annex II
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 352195-40-5 / Disodium Inosine-5-Mono-phosphate (IMP); Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Moved to Annex II
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 78-59-1 / 3,5,5-Trimethylcyclohex-2-en-1-one / Flavis No. 07.126; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b07126
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 623-17-6 / Furfuryl acetate / Flavis No. 13.128; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13128

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 65505-17-1 / Methyl 2-methyl-3-furyl disulfide / Flavis No. 13.079; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13079

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 57500-00-2 / Methyl furfuryl disulfide / Flavis No. 13.064; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13064

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 28588-74-1 / 2-Methylfuran-3-thiol / Flavis No. 13.055; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b 13055

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1438-91-1 / Methyl furfuryl Sulfide / Flavis No. 13.053; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13053

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 4437-20-1 / Difurfuryl sulfide / Flavis No. 13.050; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13050

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 13678-68-7 / S-Furfuryl acetothioate / Flavis No. 13.033; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13033

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 98-02-2 / 2-Furanmethanethiol / Flavis No. 13.026; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13026

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 98-00-0 / Furfuryl alcohol / Flavis No. 13.019; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13019

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 98-01-1 / Furfural / Flavis No. 13.018; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13018

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 28588-75-2 / bis-(2-Methyl-3-furyl) disulfide / Flavis No. 13.016; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13016

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 611-13-2 / Methyl 2-furoate / Flavis No. 13.002; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018
  Replaced by 2b13002

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 56-86-0 / L-glutamic acid ; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b620

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 142-47-2 / Monosodium glutamate; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b621

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 56-40-6 / Glycine / Flavis No. 17.034; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17034

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 7048-04-6 / L-Cysteine HCl monohydrate [All species with the exception of cats and dogs]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b920

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 52-90-4 / L-Cysteine / Flavis No. 17.033; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17033
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 72-18-4 / L-Valine / Flavis No. 17.028; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17028
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 63-68-3 / L-Methionine / Flavis No. 17.027; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17027
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 60-18-4 / L-Thyrosine / Flavis No. 17.022; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17022
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 302-84-1 / Serine / Flavis No. 17.020; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17020
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 147-85-3 / L-Proline / Flavis No. 17.019; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17019
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 63-91-2 / L-Phenylalanine / Flavis No. 17.018; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17018

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 61-90-5 / L-Leucine / Flavis No. 17.012; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17012
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 443-79-8 / (d-, l-) Isoleucine / Flavis No. 17.010; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17010
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 71-00-1 / (L-) Histidine / Flavis No. 17.008; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17008
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 56-84-8 / Aspartic acid / Flavis No. 17.005; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17005
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 74-79-3 / L-Arginine / Flavis No. 17.003; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17003
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 56-41-7 / L-Alanine / Flavis No. 17.002; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b17002
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 107-95-9 / beta-Alanine / Flavis No. 17.001; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 107-35-7 / Taurine / Flavis No. 16.056; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018
  Replaced by 2b16056

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 13708-12-8 / 5-Methylquinoxaline / Flavis No. 14.028; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018
  Replaced by 2b14028

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 13925-00-3 / 2-Ethylpyrazine / Flavis No. 14.022; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018
  Replaced by 2b14022

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 34413-35-9 / 5,6,7,8-Tetrahydroquinoxaline / Flavis No. 14.015; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018
  Replaced by 2b14015

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 25680-58-4 / 2-Ethyl-3-methoxypyrazine / Flavis No. 14.112; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018
  Replaced by 2b14112

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 24168-70-5 / 2-(sec-Butyl)-3-methoxypyrazine / Flavis No. 14.062; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018
  Replaced by 2b14062

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 18138-04-0 / Diethyl-5-methylpyrazine / Flavis No. 14.056; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018
  Replaced by 2b14056

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 32974-92-8 / 2-Acetyl-3-ethylpyrazine / Flavis No. 14.049; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018
  Replaced by 2b14049

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 63450-30-6 / 2,5 or 6-methoxy-3-methylpyrazine / Flavis No. 14.025; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018
  Replaced by 2b14025

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 15707-24-1 / 2,3-Diethylpyrazine / Flavis No. 14.005; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018
  Replaced by 2b14005

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 67-03-8 / Thiamine hydrochloride / Flavis No. 16.027; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018
  Replaced by 2b16027

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 74595-94-1 / 4H-1,3,5-Dithiazine, Dihydro-2,4,6-tris(2-methylpropyl)-; 5,6-Dihydro-2,4,6-trans(2-methylpropyl)4H-1,3,5-dithiazine / Flavis No. 15.113; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018
  Replaced by 2b15113

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 15679-12-6 / 2-Ethyl 4-methylthiazole / Flavis No. 15.033; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018
  Replaced by 2b15033

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 24295-03-2 / 2-Acetylthiazole / Flavis No. 15.020; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018
  Replaced by 2b15020

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 137-00-8 / 5-(2-Hydroxyethyl)-4-methylthiazole / Flavis No. 15.014; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018
  Replaced by 2b15014
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 18640-74-9 / 2-Isobutylthiazole / Flavis No. 15.013; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018
  Replaced by 2b15013
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 13623-11-5 / 2,4,5-Trimethylthiazole / Flavis No. 15.019; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1365-19-1 / Linalool oxide / Flavis No. 13.140 [All species with the exception of fish]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/246 of 15 February 2018
  Replaced by 2b13140
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 13851-11-1 / Fenchyl acetate / Flavis No. 09.269; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b09269
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 20777-49-5 / Dihydrocarvyl acetate / Flavis No. 09.216; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b09216
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 97-42-7 / Carvyl acetate / Flavis No. 09.215; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b09215

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1632-73-1 / Fenchyl alcohol / Flavis No. 02.038; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b02038
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 4695-62-9 / d-Fenchone / Flavis No. 07.159; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b07159
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 78-59-1 / 3,5,5-Trimethylcyclohex-2-en-1-one / Flavis No. 07.126; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b07126
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 488-10-8 / 3-Methyl-2(pent-2-enyl)cyclopent-2-en-1-one / Flavis No. 07.094; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b07094
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 491-07-6 / d,l-Isomenthone / Flavis No. 07.078; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b07078
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 29066-34-0 / Menthyl acetate / Flavis No. 09.016; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b09016
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 2244-16-8 / d-Carvone / Flavis No. 07.146; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b07146

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 89-78-1 / Menthol / Flavis No. 02.015; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018
  Replaced by 2b02015

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 104-20-1 / 4-(4-Methoxyphenyl)butan-2-one / Flavis No. 07.029; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 3 of Commission Implementing Regulation (EU) 2018/244 of 15 February 2018
  Replaced by 2b07029

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 122-48-5 / Vanillyl acetone / Flavis No. 07.005; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 3 of Commission Implementing Regulation (EU) 2018/244 of 15 February 2018

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 113486-29-6 / 3-Methylnona-2,4-dione / Flavis No. 07.184; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018
  Replaced by 2b07184

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1125-21-9 / 2,6,6-Trimethylcyclohex-2-en-1,4-dione / Flavis No. 07.109; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018
  Replaced by 2b07109

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 4906-24-5 / sec-Butan-3-onyl acetate / Flavis No. 09.186; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018
  Replaced by 2b09186

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 4437-51-8 / Hexan-3,4-dione / Flavis No. 07.077; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018
  Replaced by 2b07077

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 13494-07-0 / 3,5-Dimethylcyclopentan-1,2-dione / Flavis No. 07.076; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018
  Replaced by 2b07076

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 600-14-6 / Pentan-2,3-dione / Flavis No. 07.060; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018
  Replaced by 2b07060

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 513-86-0 / 3-Hydroxybutan-2-one / Flavis No. 07.051; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018
  Replaced by 2b07051

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 10032-11-8 / Hex-3-enyl isovalerate / Flavis No. 09.505; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09505

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 28069-74-1 / 1-Ethoxy-1-(3-hexenyloxy)ethane / Flavis No. 06.081; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b06081

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 141-14-0 / Citronellyl propionate / Flavis No. 09.129; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09049

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 105-85-1 / Citronellyl formate / Flavis No. 09.078; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09078

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 141-16-2 / Citronellyl butyrate / Flavis No. 09.049; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09049

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 150-84-5 / Citronellyl acetate / Flavis No. 09.012; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09012

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 502-47-6 / Citronellic acid / Flavis No. 08.036; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b08036

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 106-72-9 / 2,6-Dimethylhept-5-enal / Flavis No. 05.074; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b05074

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 7540-51-4 / (-)-3,7-Dimethyl-6-octen-1-ol / Flavis No. 02.229; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b02229

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 106-22-9 / Citronellol / Flavis No. 02.011; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b02011

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 106-23-0 / Citronellal / Flavis No. 05.021; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b05021

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 41519-23-7 / Hex-3(cis)-enyl isobutyrate / Flavis No. 09.563; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09563

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 31501-11-8 / Hex-3-enyl hexanoate / Flavis No. 09.271; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09271

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 16491-36-4 / Hex-3-enyl butyrate / Flavis No. 09.270; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09270

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 33467-73-1 / Hex-3(cis)-enyl formate / Flavis No. 09.240; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09240

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 3681-71-8 / Hex-3(cis)-enyl acetate / Flavis No. 09.197; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b09197

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 6728-31-0 / Hept-4-enal / Flavis No. 05.085; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b05085

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 6789-80-6 / Hex-3(cis)-enal / Flavis No. 05.075; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b05075

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 2277-19-2 / Non-6(cis)-enal / Flavis No. 05.059; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b05059
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 20125-84-2 / Oct-3-en-1-ol / Flavis No. 02.094; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b02094
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 35854-86-5 / Non-6-en-1-ol / Flavis No. 02.093; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b02093
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 928-96-1 / Hex-3(cis)-en-1-ol / Flavis No. 02.056; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018
  Replaced by 2b02056
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 123-75-1 / Pyrrolidine / Flavis No. 14.064; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/241 of 15 February 2018
  Replaced by 2b14064
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1072-83-9 / 2-Acetylpyrrole / Flavis No. 14.047; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/241 of 15 February 2018
  Replaced by 2b14047
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 120-72-9 / Indole / Flavis No. 14.007; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/239 of 15 February 2018
  Replaced by 2b14007

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 83-34-1 / 3-Methylindole / Flavis No. 14.004; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/239 of 15 February 2018
  Replaced by 2b14004

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 150-78-7 / 1,4-Dimethoxybenzene / Flavis No. 04.034; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018
  Replaced bu 2b04034

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1076-56-8 / 1-Isopropyl-2-methoxy-4-methylbenzene / Flavis No. 04.043; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018
  Replaced bu 2b04043

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 94-62-2 / Piperine / Flavis No. 14.003; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/241 of 15 February 2018
  Replaced by 2b14003

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 151-10-0 / 1,3-Dimethoxybenzene / Flavis No. 04.016; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018
  Replaced by 2b04016

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 3558-60-9 / 2-Methoxyethyl benzene / Flavis No. 03.006; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018
  Replaced by 2b03006

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 593-81-7 / Trimethylamine hydrochloride / Flavis No. 11.024 [All species with the exception of laying hens]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018
  Replaced by 2b11024

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 107-85-7 / 3-Methylbutylamine / Flavis No. 11.001 [All species with the exception of laying hens]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018
  Replaced by 2b11001

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 75-50-3 / Trimethylamine / Flavis No. 11.009 [All species with the exception of laying hens]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018
  Replaced by 2b11009

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 134-20-3 / Methyl anthranilate / Flavis No. 09.715 [All animal species with the exception of avian species]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/239 of 15 February 2018
  Replaced by 2b09715
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/239 of 15 February 2018

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 85-91-6 / Methyl N-methylanthranilate / Flavis No. 09.781 [All animal species with the exception of avian species]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Replaced by 2b09781
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/239 of 15 February 2018

- 5; Coccidiostats and other medicinal substances; E 766; Salinomycin sodium 120 g/kg / (Huvesal 120 G) (Holder of the authorisation Huvepharma EOOD, Bulgaria ) [Chickens for fattening]; Reg (EC) No 167/2008 of 22 February 2008 / Amended by Commission Implementing Regulation (EU) 2016/842 of 27 May 2016 in OJ L 50, 23.02.2008, p. 14 / Amended by OJ L 147, 28.05.2016, p. 47
  Authorisation expired 26.02.2018

- Micro-organisms; E 1703; Saccharomyces cerevisiae CNCM I-1079 [Piglets]; Reg. (EC) No 1847/2003 of 20 october 2003 in OJ L 269, 21.10.2003, p. 3
  Transitional measures in article 4 of Commission Implementing Regulation (EU) No 2018/347 of 5 March 2018 in OJ L 67, 09.03.2018, p. 21
  Replaced by 4d1703

- Micro-organisms; E 1703; Saccharomyces cerevisiae CNCM I-1079 [Sows]; Reg. (EC) No 2036/2005 of 14 December 2005; OJ L 328, 15.12.2005, p. 13
  Transitional measures in article 4 of Commission Implementing Regulation (EU) No 2018/347 of 5 March 2018 in OJ L 67, 09.03.2018, p. 21
  Replaced by 4d1703

Deletions in Annex II

- 2; a; Other colourants; E 153; Carbon black [All species]

Correction

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 4691-65-0 / Disodium Inosine-5-Mono-phosphate (IMP); Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1

## ***Edition 1/2018 (260)***: published on 30 January 2018

Additions

- 1; c; Emulsifiers; 1c322i; Lecithins liquid [All species]; Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017; OJ L 333, 15.12.2017, p. 17
- 1; c; Emulsifiers; 1c322ii; Hydrolysed lecithins [All species]; Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017; OJ L 333, 15.12.2017, p. 17
- 1; c; Emulsifiers; 1c322iii; Lecithins de-oiled [All species]; Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017; OJ L 333, 15.12.2017, p. 17
- 3; b; Compounds of trace elements; 3b101; Iron(II) carbonate (siderite) [All animal species except piglets, calves, chicken up to 14 days and turkey up to 28 days]; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum OJ L 351 30.12.2017, p. 202
- 3; b; Compounds of trace elements; 3b102; Iron(III) chloride hexahydrate [All animal species]; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum OJ L 351 30.12.2017, p. 202
- 3; b; Compounds of trace elements; 3b103; Iron(II) sulphate monohydrate [All animal species]; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum OJ L 351 30.12.2017, p. 202
- 3; b; Compounds of trace elements; 3b104; Iron(II) sulphate heptahydrate [All animal species]; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum OJ L 351 30.12.2017, p. 202
- 3; b; Compounds of trace elements; 3b105; Iron(II) fumarate [All animal species] ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum OJ L 351 30.12.2017, p. 202
- 3; b; Compounds of trace elements; 3b106; Iron(II) chelate of amino acids hydrate [All animal species] ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum OJ L 351 30.12.2017, p. 202
- 3; b; Compounds of trace elements; 3b107; Iron(II) chelate of protein hydrolysates [All animal species] ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum OJ L 351 30.12.2017, p. 202
- 3; b; Compounds of trace elements; 3b108; Iron(II) chelate of glycine hydrate [All animal species] ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum OJ L 351 30.12.2017, p. 202
- 3; b; Compounds of trace elements; 3b110; Iron dextran 10% [All animal species]; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum OJ L 351 30.12.2017, p. 202
- 3; c; Amino acids, their salts and analogues; 3c362; L-arginine produced by *Corynebacterium glutamicum* (KCCM 80099.) [All species]; Commission Implementing Regulation (EU) 2016/972 of 17 June 2016; OJ L 22, 26.01.2018, p. 21

- 4; a; Digestibility enhancers; 4a16; Preparation 6-phytase (EC 3.1.3.26) produced by *Komagataella pastoris* (DSM 23036) (Holder of the authorisation Huvepharma AD) [fish]; Commission Implementing Regulation (EU) 2017/2274 of 8 December 2017 in OJ L 326, 09.12.2017. p. 44
- 4; a; Digestibility enhancers; 4a26; Preparation of endo-1,4-beta- xylanase (EC 3.2.1.8) produced by *Trichoderma reesei* (BCCM/MUCL 49755) (Holder of the authorisation Berg and Schmidt GmbH Co. KG) [Pigs for fattening]; Commission Implementing Regulation (EU) 2018/130 of 25 January 2018; OJ L 22, 26.01.2018, p. 120
- 4; b; Gut flora stabilisers; 4b1700i; *Bacillus subtilis* (DSM 5750) and *Bacillus licheniformis* (DSM 5749) (Holder of the authorisation Chr. Hansen A/S) [Suckling piglets]; Commission Implementing Regulation (EU) 2017/2308 of 13 December 2017; OJ L 3319, 14.12.2017, p. 19
- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Sows; Suckling piglets; Dogs]; Commission Implementing Regulation (EU) 2017/2312 of 13 December 2017; OJ L 331, 14.12.2017, p.41
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M in water for drinking (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Pigs for fattening; Minor porcine species (weaned and for fattening; Minor porcine species (weaned and for fattening] Commission Implementing Regulation (EU) 2017/2299 of 12 December 2017 ; OJ L 329, 13.12.2017, p. 33

DENIAL of authorisation

- 3; b; Trace elements; E 1; Iron – Fe, Ferric oxide ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
  Article 3 "*The authorisation for ferric oxide is denied and the substance shall no longer be used as nutritional feed additive"*
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202

Deletions

- 3; b; Trace elements; E 1; Iron – Fe, Ferric chloride, hexahydrate; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous carbonate ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous chelate of amino acids, hydrate ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202

- 3; b; Trace elements; E 1; Iron – Fe, Ferrous chelate of glycine, hydrate ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous fumarate ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous sulphate, heptahydrate ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous sulphate, monohydrate ; Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Piglets (weaned) (drinking water); Pigs for fattening (drinking water); Laying hens (drinking water); Chickens for fattening (drinking water)]; Commission Implementing Regulation (EU) No 413/2013 of 6 May 2013
  Deleted by OJ L 33, 13.12.2017, p. 33
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/2299 of 12 December 2017
- Micro-organisms; E 1712; *Pediococcus acidilactici* CNCM MA 18/5M [Pigs for fattening]; Reg. (EC) No 2036/2005 of 14 December 2005
  Deleted by OJ L 33, 13.12.2017, p. 33
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/2299 of 12 December 2017
- Micro-organisms; E 1712; *Pediococcus acidilactici* CNCM MA 18/5M [Chickens for fattening]; Reg. (EC) No 1200/2005
  Deleted by OJ L 33, 13.12.2017, p. 33
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/2299 of 12 December 2017

Amendment

- 1; c; Emulsifiers; 1c322; Lecithins [All species]; Commission Implementing Regulation (EU) 2017/1007 of 15 June 2017 / Amended by Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 in OJ L 333, 15.12.2017, p. 17

- 4; a; Digestibility enhancers; 4a23; Preparation of 6-phytase produced by *Komagataella pastoris* (DSM 25375) (Holder of the authorisation Kaesler Nutrition GmbH) [Chickens for fattening and reared for laying, all avian species for fattening and reared for laying other than turkeys for fattening and reared for breeding; All avian species for laying; Turkeys for fattening and reared for breeding; Piglets (weaned), pigs for fattening, sows and minor porcine species]; Commission Implementing Regulation (EU) 2016/329 of 8 March 2016 / amended by Commission Implementing Regulation (EU) 2017/2231 of 4 December 2017 in OJ L 319, 05.12.2017, p. 28
  Change of authorisation holder

Corrigendum

- Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202

Applications under article 14 received

- 4; a; Digestibility enhancers; 4a1711; *Saccharomyces cerevisiae* CNCM I-1077 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Horses]; Reg. (EC) No 910/2009 of 29 September 2009 in OJ L 257, 30.09.2009, p. 7
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; b; Gut flora stabilisers; 4b1711; *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Lambs]; Reg. (EC) No 1293/2008 of 18 December 2008 in OJ L 340, 19.12.2008, p. 38
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 4; b; Gut flora stabilisers; 4b1822; *Bacillus amyloliquefaciens* CECT 5940 (Ecobiol and Ecobiol plus) (Holder of the authorisation Evonik Nutrition & Care GmbH) [Chickens for fattening]; Reg. (EC) No 1292/2008 of 18 December 2008 in OJ L 340, 22.12.2008, p. 36
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

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Additions

- 4; a; Digestibility enhancers; 4a16; Preparation 6-phytase (EC 3.1.3.26) produced by *Komagataella pastoris* (DSM 23036) (Holder of the authorisation Huvepharma AD) [fish]; Commission Implementing Regulation (EU) 2017/2274 of 8 December 2017 in OJ L 326, 09.12.2017. p. 44
- 4; b; Gut flora stabilisers; 4b1715; *Lactobacillus acidophilus* CECT 4529 (Holder of the authorisation Centro Sperimentale del Latte) [Chickens for fattening]; Commission Implementing Regulation (EU) 2017/2275 of 8 December 2017 in OJ L 326, 09.12.2017, p. 47
- 4; b; Gut flora stabilisers; 4b1823; *Bacillus subtilis* (ATCC PTA-6737) (Holder of the authorisation Kemin Europa NV) [Sows]; Commission Implementing Regulation (EU) 2017/2276 of 8 December 2017 in OJ L 326, 09.12.2015, p. 50

Corrections

- 1; Binders, anti-caking agents and coagulants; E 552; Calcium silicate, synthetic; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p. 8
- 1; Binders, anti-caking agents and coagulants; E 554; Sodium aluminosilicate, synthetic; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p.8
- 1; Binders, anti-caking agents and coagulants; E 558; Bentonite-montmorillonite; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p. 8
- 1; Binders, anti-caking agents and coagulants; E 559; Kaolinitic clays, free of asbestos; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p.8
- 1; Binders, anti-caking agents and coagulants; E 560; Natural mixtures of steatites and chlorite; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p. 8
- 1; Binders, anti-caking agents and coagulants; E 561; Vermiculite; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p. 8
- 1; Binders, anti-caking agents and coagulants; E 562; Sepiolite; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p. 8
- 1; Binders, anti-caking agents and coagulants; E 563; Sepiolitic clay; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p. 8
- 1; Binders, anti-caking agents and coagulants; E 565; Lignosulphonates; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p. 8
- 1; Binders, anti-caking agents and coagulants; E 566; Natrolite-phonolite; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p. 8
- 1; Binders, anti-caking agents and coagulants; E 599; Perlite; Commission Regulation (EC) No 2439/1999 of 17 November 1999; OJ L 297, 18.11.1999, p. 8

Corrections in Annex II

- 1; Binders, anti-caking agents and coagulants; E 598; Synthetic calcium aluminates [Dairy cows; Cattle for fattening; Calves; Lambs; Kids Poultry; Rabbits; Pigs]; Commission Regulation (EC) No 2439/1999 of 17 November 1999 in OJ L 297, 18.11.1999, p. 8 / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 in OJ L 166, 08.06.2017, p. 1

## ***258**th Edition*: published on 4 December 2017

Additions

- 1; k; Silage additives; 1k20754; *Lactobacillus plantarum* KKP/593/p *Lactobacillus plantarum* KKP/788/p *Lactobacillus buchneri* KKP/907/p [Cattle; Sheep]; Commission Implementing Regulation (EU) 2017/1907 of 18 October 2017 in OJ L 269, 19.10.2017, p. 36
- 1; k; Silage additives; 1k20755; *Lactobacillus casei* DSM 28872; Commission Implementing Regulation (EU) 2017/1903 of 18 October 2017 in OJ L 269, 19.10.2017, p. 22
- 1; k; Silage additives; 1k20756; *Lactobacillus rhamnosus* DSM 29226; Commission Implementing Regulation (EU) 2017/1903 of 18 October 2017 in OJ L 269, 19.10.2017, p. 22
- 1; k; Silage additives; 1k21014; *Pediococcus parvulus* DSM 28875; Commission Implementing Regulation (EU) 2017/1903 of 18 October 2017 in OJ L 269, 19.10.2017, p. 22
- 4; a; Digestibility enhancers; 4a1601; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Aspergillus niger* (NRRL 25541) (Holder of the authorisation Andrés Pintaluba S.A. [Chickens for fattening; Laying hens; Pigs for fattening;

Minor poultry species; Minor porcine species for fattening]; Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017 in OJ L 267, 18.10.2017, p. 1

- 4; a; Digestibility enhancers; 4a1617; Endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Trichoderma citrinoviride* Bisset (IM SD135) (Holder of the authorisation Huvepharma NV) [Chickens reared for laying; Minor poultry species reared for laying] ; Commission Implementing Regulation (EU) 2017/1906 of 18 October 2017 in OJ L 269, 19.10.2017, p. 33
- 4; b; Gut flora stabilisers; 4b1828; *Bacillus licheniformis* DSM 28710 (Holder of the authorisation Huvepharma NV) [Chickens for fattening; Chickens reared for laying]; Commission Implementing Regulation (EU) 2017/1904 of 18 October 2017 in OJ L 269, 19.10.2017, p. 27
- 4; d; Other zootechnical additives; 4d1703; *Saccharomyces cerevisiae* CNCM I-1079 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Chickens for fattening; Minor poultry species for fattening]; Commission Implementing Regulation (EU) 2017/1905 of 18 October 2017
- 5; Coccidiostats and other medicinal substances; 51766; Salinomycin sodium 120 g/kg (Sacox 120 microGranulate) (Holder of the authorisation Huvepharma NV) [Chickens for fattening; Chickens reared for laying]; Commission Implementing Regulation (EU) 2017/1914 of 19 October 2017 in OJ L 271, 20.10.2017, p. 1

Corrections

- 2; a (iii); Other colourants; E 102; Tartrazine a colouring agents authorised for colouring foodstuffs by Community rules [Grain-eating ornamental birds; Small rodents; Ornamental fish]; Reg. (EC) No 358/2005 in OJ L 57, 03.03.2005, p. 3
- 2; a (iii); Other colourants; E 110; Sunset yellow FCF [Grain-eating ornamental birds; Small rodents; Ornamental fish]; Reg. (EC) No 358/2005 in OJ L 57, 03.03.2005, p. 3
- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex [Grain-eating ornamental birds; Small rodents]; Reg. (EC) No 358/2005 in OJ L 57, 03.03.2005, p. 3
- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex [Grain-eating ornamental birds; Small rodents]; Regulation (EC) No 2697/2000 in OJ L 319, 16.12.2000, p. 1
- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex [Ornamental fish]; Reg. (EC) No 358/2005 in OJ L 57, 03.03.2005, p. 3
- 2; a; Carotenoids and xanthophylls; E 161g; Canthaxanthin authorised for colouring foodstuffs by Community rules [All species or categories of animals with the exception of poultry, salmon, trout, dogs and cats; dogs; cats; Poultry other than laying hens, salmon, trout; Laying hens]
- 2; a; Other colourants; E 102; Tartrazine as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]
- 2; a; Other colourants; E 171; Titanium dioxide (anatase & rutile structure) as colouring agents authorised for colouring foodstuffs by Community rules [All species]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015; OJ C 50, 25.02.2004, p. 1
- 2; a; Other colourants; E 172; Iron Oxide Red, Black & Yellow as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats; All species or categories of animals with the exception of dogs and cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24

September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015; OJ C 50, 25.02.2004, p. 1

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1365-19-1 / Linalool oxide / Flavis No. 13.140 [All species with the exception of fish]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
- 2; b; Natural products – botanically defined; *Petroselinum sativum* Hoffm. = *P. crispum* Mill. = *P. hortense* L.: Parsley leaf oil CAS 8000-68-8 FEMA 2836 CoE 326 EINECS 281-677-1 / Parsley seed oil CAS 8000-68-8 CoE 326 EINECS 281-677-1 / Parsley tincture CoE 326
- 2; b; Natural products – botanically defined; *Taraxacum officinale* Wiggers: Dandelion root solid extract CAS 68990-74-9 FEMA 2358 CoE 447 EINECS 273-624-6 / Dandelion leaves solid extract CoE 447 / Dandelion fluid extract CAS 68990-74-9 FEMA 2357 CoE 447 EINECS 273-624-6 / Dandelion tincture CAS 68990-74-9 FEMA 2357 EINECS 273-624-6

Correction in annex II

- 2; a; Other colourants; Relevant E number; Colouring agents authorised for colouring foodstuffs by Community rules, with the exception of:
  - E 141 Chlorophyllin Copper Complex [All species];
  - E 150b, E 150c and E 150d Caramel colours [All species];
  - E 153 Carbon black [All species]
  - E 171 Titanium dioxide (anatase & rutile structure) [All species];
  - E 172 Iron Oxide Red, Black & Yellow [All species];
- 2; a; Other colourants; Relevant E number; Colouring agents authorised for colouring foodstuffs by Community rules, other than
  - E 102 Tartrazine [Dogs; Cats];
  - E 110 Sunset yellow [Dogs; Cats];
  - E 120 Carmine (Carmine Lake WSP 50%) [Dogs; Cats];
  - E 124Ponceau 4 R [Dogs; Cats];
  - E 127 Erythrosine [Dogs; Cats;Reptiles]
  - E 129 Allura red [Dogs; Cats]
  - E 132 Indigotine [Dogs; Cats]
  - E 133 Brilliant blue [Dogs; Cats]
  - E 160b Bixin [Dogs; Cats];
- 2; a; Other colourants; E 102; Tartrazine [All species with the exception of; grain-eating ornamental birds; small rodents and ornamental fish]; Reg. (EC) No 358/2005 / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017
- 2; a; Other colourants; E 124; Ponceau 4 R as colouring agents [All species with the exception of ornamental fish]
- 2; a (i); Colorants, substances that add or restore colour in feedingstuffs; E 131; Patent blue V as colouring agents [all species with the exception of non-food producing animals]
- 2; a; Other colourants; E 141; Chlorophyll copper complex as colouring agents [All species with the exception of ornamental fish; ornamental fish; grain eating ornamental birds; small rodents]
- 2; a; Other colourants; E 141; Chlorophyll copper complex as colouring agents [All species with the exception of grain eating ornamental birds; small rodents; ornamental fish;]; Regulation (EC) No 2697/2000 and Reg. (EC) No 358/2005 in OJ L 319, 16.12.2000, p. 1 and OJ L 57, 03.03.2005, p. 3
- 2; a; Carotenoids and xanthophylls; E 161g; Canthaxanthin [All species and uses **with the exception of** :
  - Chickens for fattening and minor poultry species for fattening for uses belonging to the functional group 2 (a) (ii)

- Laying poultry and poultry reared for laying for uses belonging to the functional group (a) (ii).
- Ornamental birds (including ornamental breeder hens) and ornamental fish for uses belonging to the functional group 2 (a) (iii)];
Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017

- 2; a; Carotenoids and xanthophylls; E 161j; Astaxantin [All species **with the exception of**:
- Fishes and crustaceans for uses belonging to the functional group 2(a) (ii)
- Ornamental fish for uses belonging to the functional group 2(a) (iii)
- 2; a; Other colourants; E 102; Tartrazine a colouring agents authorised for colouring foodstuffs by Community rules [All species with the exception of cats; dogs; grain-eating ornamental birds; small rodents and ornamental fish]; Reg. (EC) No 358/2005 / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017 in OJ L 57, 03.03.2005, p. 3 / Withdrawn by OJ L 166, 08.06.2017, p. 1
- 2; a; Other colourants; E 122; Azorubine (carmoisine) as a colouring agent [All species with the exception of cats and dogs]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1 / Withdrawn by Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017; OJ C 50, 25.02.2004, p. 1 / Withdrawn by OJ L 166, 08.06.2017, p. 1
- 2; a; Other colourants; E 124; Ponceau 4 R as colouring agents authorised for colouring foodstuffs by Community rules [All species with the exception of cats & dogs]
- 2; a; Other colourants; E 127; Erythrosine as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats; Reptiles]
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1365-19-1 / Linalool oxide / Flavis No. 13.140 [Fish]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)

Deletion

- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 11520; Reg. (EC) 1831/2003
  Moved to annex II
- 2; a (iii); Other colourants; E 160b; Bixin [Ornamental fish]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
  Moved to annex II
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1128-08-1 / 3-Methyl-2-pentylcyclopent-2-en-1-one / Flavis No. 07.140; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Moved to annex II
- 5; Coccidiostats and other medicinal substances; E 766; Salinomycin sodium 120 g/kg (Sacox 120 microGranulate) (Holder of the authorisation Huvepharma NV) [Chickens for fattening]; Reg. (EC) No 1463/2004 / Amended by Reg. (EC) No 249/2006 / Amended by Reg. (EC) No 500/2007
  Repealed by Commission Implementing Regulation (EU) 2017/1914 of 19 October 2017
  Replaced by 51766
- 5; Coccidiostats and other medicinal substances; E 766; Salinomycin sodium 120 g/kg (Sacox 120 microGranulate) (holder of the authorisation Huvepharma NV) [Chickens reared for laying]; Reg. (EC) No 1852/2003 / Amended by Reg. (EC) No 249/2006 / Repealed by Commission Implementing Regulation (EU) 2017/1914 of 19 October 2017
  Replaced by 51766
- 5; Coccidiostats and other medicinal substances; E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (Holder of the authorisation Eli Lilly and Company Ltd) [Rabbits]; Reg. (EC) No 971/2008 of 3 October 2008
  Authorisation expired
- Enzymes; E 1601; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Aspergillus niger* (NRRL 25541) [Laying hens]; Reg. (EC) No 255/2005 / Amended by Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017
  Replaced by 4a1601
  Transitional measures in article 4 of Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017
- Enzymes; E 1601; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Aspergillus niger* (NRRL 25541) [Chickens for fattening]; Commission Regulation (EC) No 668/2003 of 11 April 2003 / Repealed by Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017
  Replaced by 4a1601
  Transitional measures in article 4 of Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017

## *257th Edition*: published on 11 October 2017

Additions.

- 1; c; Emulsifiers; 1c322; Lecithins [All species]; Commission Implementing Regulation (EU) 2017/1007 of 15 June 2017 in OJ L 153, 16.06.2017, p. 13
- 3; a; Vitamins and provitamins; 3a671; ‘Cholecalciferol’ or ‘Vitamin D3’ [Pigs; Milk replacers for piglets; Bovines; Milk replacers for calves; Ovines; Chickens for fattening; Turkeys; Other poultry; Equines; Fish species; Other species]; Commission Implementing Regulation (EU) 2017/1492 of 21 August 2017 in OJ L 216, 22.08.2017, p. 19
- 3; b; Compound of trace elements; 3b501; Manganous chloride, tetrahydrate; Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 in OJ L 216, 22.08.2017, p.1

- 3; b; Compound of trace elements; 3b502; Manganese (II) oxide; Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 in OJ L 216, 22.08.2017, p.1
- 3; b; Compound of trace elements; 3b503; Manganous sulphate monohydrate; Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 in OJ L 216, 22.08.2017, p.1
- 3; b; Compound of trace elements; 3b504; Manganese chelate of amino acids hydrate; Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 in OJ L 216, 22.08.2017, p.1
- 3; b; Compound of trace elements; 3b505; Manganese chelate of protein hydrolysates; Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 in OJ L 216, 22.08.2017, p.1
- 3; b; Compound of trace elements; 3b506; Manganese chelate of glycine, hydrate; Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 in OJ L 216, 22.08.2017, p.1
- 3; b; Compound of trace elements; 3b507; Dimanganese chloride trihydroxide; Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 in OJ L 216, 22.08.2017, p.1
- 4; b; Gut flora stabilisers; 4b1892; *Lactococcus lactis* PCM B/00039, *Carnobacterium divergens* PCM KKP 2012p, *Lactobacillus casei* PCM B/00080, *Lactobacillus plantarum* PCM B/00081 and *Saccharomyces cerevisiae* PCM KKP 2059p (Holder of the authorisation JHJ Ltd) [Chickens for fattening]; Commission Implementing Regulation (EU) No 2017/1008 of 15 June 2017 in OJ L 153, 16.06.2017, p. 16

Denial of authorisation.

- In article 2 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017. Authorisation of the substances specified in the Annex as additives belonging to the additive category ‘nutritional additives’ and to the functional group ‘compounds of trace elements’ is denied for use in water for drinking.
- In article 2 of Commission Implementing Regulation (EU) 2017/1492 of 21 August 2017. Authorisation of cholecalciferol, as an additive belonging to the additive category ‘nutritional additives’ and to the functional group ‘vitamins, provitamins and chemically well-defined substances having similar effect’, is denied for its use in water for drinking.

Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.

- 2; a (ii); Substances which, when fed to animals, add colours to food of animal origin; 2a(ii)167; Red carotenoid rich *Paracoccus carotinifaciens* [Salmon; Trout]; Reg. (EC) No 721/2008 of 25 July 2008 in OJ L 193, 26.07.2008, p. 23

Deletions.

- 2; a; Other colourants; E 151; Brilliant Black PN as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1
  Moved to annex II
- 3; a; Vitamins and provitamins; E 671; Vitamin D / Vitamin D3 [Fish]; Commission Directive of 9 September 1991 amending die Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/508/EEC) in OJ L 271, 27.09.1991, p. 67
  Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1492 of 21 August 2017
  Replaced by 3a671

- 3; a; Vitamins and provitamins; E 671; Vitamin D / Vitamin D3 [Pigs; Piglets; Bovines; Ovines; Calves; Equines; Chickens for fattening; Turkeys; Other poultry; Other species or categories of animals with the exception of fish]; Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) in OJ L 124, 18.05.1991, p. 1
  Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1492 of 21 August 2017
  Replaced by 3a671
- 3; b; Trace elements; E 5; Manganese – Mn, Manganese chelate of amino acids hydrate ; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) in OJ L 270, 14.12.1970, p.1
  Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017
  Replaced by 3b504
- 3; b; Trace elements; E 5; Manganese – Mn, Manganous chloride, tetrahydrate; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) in OJ L 270, 14.12.1970, p.1
  Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017
  Replaced by 3b501
- 3; b; Trace elements; E 5; Manganese – Mn, Manganous oxide ; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) in OJ L 270, 14.12.1970, p.1
  Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017
  Replaced by 3b502
- 3; b; Trace elements; E 5; Manganese – Mn, Manganous sulphate, monohydrate ; Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) in OJ L 270, 14.12.1970, p.1
  Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017
  Replaced by 3b503
- Emulsifying and stabilizing agents, thickeners and gelling agents; E 322; Lecithins( only as emulsifying agent); Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) in OJ L 124, 18.05.1991, p. 1
  Transtional measures in article 2 of Commission Implementing Regulation (EU) 2017/1007 of 15 June 2017
  Replaced by 1c322
- Enzymes; 53; Preparation of endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), bacillolysin / EC 3.4.24.28 produced by *Bacillus amyloliquefaciens* (DSM 9554) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Laying hens]; Reg. (EC) No 1140/2007 of 1 October 2007 in OJ L 256, 02.10.2007, p. 14
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/429 of 10 March 2017
  Replaced by 4a1621i

Deletions in annex II.

- Details in annexes of Commission Implementing Regulation (EU) 2017/1145 of 8 June 2017
  Transitional measures in article 2 thereof when applicable.

Amendments.

- 3; b; Compound of trace elements; 3b8.11; Selenomethionine produced by *Saccharomyces cerevisiae* NCYC R397 (Selenized yeast inactivated) [All species]; Reg. (EC) No 634/2007 of 7 June 2007 is amended by Commission Implementing Regulation (EU) No 2017/1086 of 19 June 2017 in OJ L 156, 20.06.2017, p. 22
- 4; a; Digestibility enhancers; 4a1607i; Preparation of endo-1,4-beta-xylanase EC 3.2.1.8 produced by *Aspergillus oryzae* (DSM 10287) [Poultry for fattening; Piglets (weaned); Pigs for fattening]; Commission Implementing Regulation (EU) No 1206/2012 of 14 December 2012 is Amended by Commission Implementing Regulation (EU) 2017/1006 of 15 June 2017 in OJ L 339 16.06.2017, p. 9
  Corrections.
- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* (FERM-BP 2789) (Holder of the authorisation ~~Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.~~ Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [chickens for fattening]; Reg. (EC) No 903/2009 of 28 September 2009 is *Amended by* Commission Implementing Regulation (EU) No 2017/1126 of 23 June 2017 in OJ L 163, 23.06.2017, p. 13
- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* (FERM BP-2789) (Holder of the authorisation ~~Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.~~ Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [Minor avian species (excluding laying birds); Piglets (weaned) and minor porcine species (weaned)]; Commission Implementing Regulation (EU) No 373/2011 of 15 April 2011 is *Amended by* Commission Implementing Regulation (EU) No 2017/1126 of 23 June 2017 in OJ L 163, 23.06.2017, p. 13
- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* (FERM BP-2789) (Holder of the authorisation ~~Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.~~ Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [Chickens reared for laying]; Commission Implementing Regulation (EU) No 374/2013 of 23 April 2013 is *Amended by* Commission Implementing Regulation (EU) No 2017/1126 of 23 June 2017 in OJ L 163, 23.06.2017, p. 13
- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* (FERM BP-2789) (Holder of the authorisation ~~Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.~~ Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [Turkeys for fattening; Turkeys reared for breeding ]; Commission Implementing Regulation (EU) No 1108/2014 of 20 October 2014 is *Amended by* Commission Implementing Regulation (EU) No 2017/1126 of 23 June 2017 in OJ L 163, 23.06.2017, p. 13

Corrigendum.

- 1; b; E 324; Ethoxyquin [All species or categories of animals except dogs]; **AUTHORISATION SUSPENDED** by Commission Implementing Regulation (EU) 2017/962 of 7 June 2017 / *Corrigendum* DE in OJ L 149 of 13.06.2017 in OJ L 149, 13.06.2017, p. 99
- 1; b; E 324; Ethoxyquin [Dogs]; **AUTHORISATION SUSPENDED** by Commission Implementing Regulation (EU) 2017/962 of 7 June 2017 / *Corrigendum* DE in OJ L 149 of 13.06.2017 in OJ L 149, 13.06.2017, p. 99

Correction.

- 4; a; Digestibility enhancers; 4a23; Preparation of 6-phytase produced by *Komagataella pastoris* (DSM 25375) (Holder of the authorisation Lohmann Animal Nutrition GmbH) [Chickens for fattening and reared for laying, all avian species for fattening and reared for laying other than turkeys for fattening and reared for breeding; All avian species for laying; Turkeys for fattening and reared for breeding; Piglets (weaned), pigs for fattening, sows and minor porcine species]; Commission Implementing Regulation (EU) 2016/329 of 8 March 2016 in OJ L 62, 09.03.2016, p. 5
- 5; Coccidiostats and other medicinal substances; E 764; Halofuginone Hydrobromide (Holder of the authorisation Huvepharma NV) [Chickens for fattening; turkeys]; Commission Regulation (EC) No 2430/1999 of 16 November 1999
- Enzymes; E 1601; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Aspergillus niger* (NRRL 25541) [Chickens for fattening]; Commission Regulation (EC) No 668/2003 of 11 April 2003 in OJ L 96, 12.04.2003, p. 14

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Suspension of authorisation.

- 1; b; E 324; Ethoxyquin [All species or categories of animals except dogs]; FIFTEENTH COMMISSION DIRECTIVE of 21June 1976 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC)
  **AUTHORISATION SUSPENDED** by Commission Implementing Regulation (EU) 2017/962 of 7 June 2017 in OJ L 145. 08.06.2017, p. 13
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/962 of 7 June 2017
- 1; b; E 324; Ethoxyquin [Dogs]; Commission Regulation (EC) No 2316/98 of 26 October 1998
  **AUTHORISATION SUSPENDED** by Commission Implementing Regulation (EU) 2017/962 of 7 June 2017 in OJ L 145. 08.06.2017, p. 13
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/962 of 7 June 2017

Additions.

- 1; k; Silage additives; 1k20753; *Lactobacillus plantarum* DSM 29024; Commission Implementing Regulation (EU) No 2017/912 of 29 May 2017 in OJ L 139, 30.05.2017, p. 30
- 1; m; Substances for the reduction of the contamination of feed by mycotoxins (fumonisins); 1m03; Fumonisin esterase EC 3.1.1.87 produced by *Komagataella pastoris* DSM 26643 [All avian species]; Commission Implementing Regulation (EU) No 2017/913 of 29 May 2017 in OJ L 139, 30.05.2017, p. 33
- 1; m; Substances for the reduction of the contamination of feed by mycotoxins (trichothecenes); 1m01; Micro-organism strain DSM 11798 of the *Coriobacteriaceae* family [All avian species]; Commission Implementing Regulation (EU) No 2017/930 of 31 May 2017 in OJ L 141, 01.06.2017, p. 6
- 1; n; Hygiene condition enhancers; 1k236; Formic acid; Commission Implementing Regulation (EU) 2017/940 of 1 June 2017 in OJ L 142, 02.06.2017, p. 40
- 3; c; Amino acids, their salts and analogues; 3c440; L-tryptophan produced by fermentation with *Escherichia coli* KCCM 11132P or *Escherichia coli* DSM 25084 or *Escherichia coli* FERM BP-11200 or *Escherichia coli* FERM BP-11354 or *Escherichia coli* CGMCC 7.59 or *Escherichia coli* CGMCC 3667; Commission Implementing Regulation (EU) 2017/873 of 22 May 2017 in OJ L 134, 22.05.2017, p. 14

- 4; a; Digestibility enhancers; 4a1620i; Preparation of endo-1,3(4)-beta-glucanase produced by *Aspergillus aculeatinus* (formerly classified as *Aspergillus aculeatus*) (CBS 589.94), endo-1,4-beta-glucanase produced by *Trichoderma reesei* (formerly classified as *Trichoderma longibrachiatum*) (CBS 592.94), alpha-amylase produced by *Bacillus amyloliquefaciens* (DSM 9553), endo-1,4-beta-xylanase produced by *Trichoderma viride* (NIBH FERM BP4842), bacillolysin produced by *Bacillus amyloliquefaciens* (DSM 9554); Solid form (Holder of the authorisation Kemin Europa NV) [Chickens for fattening; Chickens reared for laying; Minor avian species for laying; Minor avian species reared for laying; Ornamental birds; Piglets (weaned); All Turkeys; Laying hens; Minor avian species for fattening] ; Commission Implementing Regulation (EU) 2017/963 of 7 June 2017 in OJ L 145, 08.06.2017, p. 18
- 4; a; Digestibility enhancers; 4a24; 6-phytase EC 3.1.3.26 produced by *Trichoderma reesei* (ATCC SD-6528) Solid form (Holder of the authorisation Danisco (UK) Ltd) [All poultry species; All porcine species (other than suckling piglets)]; Commission Implementing Regulation (EU) 2017/896 of 24 May 2017 in OJ L 138, 25.05.2017, p. 123
- 4; a; Digestibility enhancers; 4a25; 3-phytase EC 3.1.3.8 produced by *Komagataella pastoris* (CECT 13094) (Holder of the authorisation Fertinagro Nutrientes S.L.) [Chickens for fattening; Laying hens]; Commission Implementing Regulation (EU) 2017/895 of 24 May 2017 in OJ L 138, 25.05.2017, p. 120
- 4; b; Gut flora stabilisers; 4b1713; *Enterococcus faecium* CECT 4515 (Holder of the authorisation Evonik Nutrition & Care GmbH) [Weaned piglets]; Commission Implementing Regulation (EU) No 2017/961 of 7 June 2017 in OJ L 145, 08.06.2017, p. 7

Amendment.

- 1; m; Substances for the reduction of the contamination of feed by mycotoxins (trichothecenes ~~Deoxynivalenol (DON)~~); 1m01; Micro-organism strain DSM 11798 of the *Coriobacteriaceae* family [Pigs]; Commission Implementing Regulation (EU) No 1016/2013 of 23 October 2013 is *amended by* Commission Implementing Regulation (EU) No 2017/930 of 31 May 2017 in OJ L 141, 01.06.2017, p. 6
- 4; a; Digestibility enhancers; 4a7; Preparation of endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) and endo-1,4-beta-glucanase produced by *Aspergillus niger* (DSM 18404) (Holder of the authorisation BASF SE) [Minor poultry species for fattening (other than ducks for fattening) and ornamental birds; Chickens reared for laying, turkeys for breeding purposes, turkeys reared for breeding and all minor avian species for laying]; Commission Implementing Regulation (EU) No 1068/2011 of 21 October 2011 is *amended by* Commission Implementing Regulation (EU) No 2017-950 of 2 June 2017 in OJ L 143, 03.06.2017, p. 5
- 4; b; Gut flora stabilisers; 4b1713; *Enterococcus faecium* CECT 4515 (Holder of the authorisation Evonik Nutrition & Care GmbH) [Chickens for fattening]; Commission Implementing Regulation (EU) No 887/2011 of 5 September 2011 is *amended by* Commission Implementing Regulation (EU) No 2017/961 of 7 June 2017 in OJ L 145, 08.06.2017, p. 7

Corrections.

- 3; a; Vitamins and provitamins; E 671; Vitamin D / Vitamin D3 [Pigs; Piglets; Bovines; Ovines; Calves; Equines; Chickens for fattening; Turkeys; Other poultry; Other species or categories of animals with the exception of fish]; Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) in OJ L 124, 18.05.1991, p. 1
- 3; a; Vitamins and provitamins; E 671; Vitamin D / Vitamin D3 [Fish]; Commission Directive of 9 September 1991 amending die Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/508/EEC) in OJ L 271, 27.09.1991, p. 67

- 3; b; Compound of trace elements; 3b8.11; Selenomethionine produced by *Saccharomyces cerevisiae* NCYC R397 (Selenized yeast inactivated) [All species]
- 4; a; Digestibility enhancers; 4a24; 6-phytase EC 3.1.3.26 produced by Trichoderma reesei (ATCC SD-6528) Liquid form (Holder of the authorisation Danisco (UK) Ltd) [All poultry species; All porcine species (other than suckling piglets)]; Commission Implementing Regulation (EU) 2016/899 of 8 June 2016 in OJ L 152, 09.06.2016, p. 15

Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.

- 2; a (ii); Substances which, when fed to animals, add colours to food of animal origin; 2a(ii) 165; Astaxanthin dimethyldisuccinate [Salmon; Trout]; Reg. (EC) No 393/2008 of 30 April 2008) in OJ L 117, 01.05.2008, p. 20

Deletion.

- Enzymes; E 1620; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), bacillolysin / EC 3.4.24.28 produced by *Bacillus amyloliquefaciens* (DSM 9554) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Chickens for fattening]; Reg. (EC) No 358/2005 / *Amended by* Commission Implementing Regulation (EU) 2017/963 of 7 June 2017 in OJ L 145, 08.06.2017, p. 18
  Replaced by 4a1620i
  Transitional measures in article 4 of Commission Implementing Regulation (EU) 2017/963 of 7 June 2017
- Enzymes; E 1620; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), bacillolysin / EC 3.4.24.28 produced by *Bacillus amyloliquefaciens* (DSM 9554) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Turkeys for fattening; piglets (weaned)]; Reg. (EC) No 1270/2009 of 21 December 2009 / *Amended by* Commission Implementing Regulation (EU) 2017/963 of 7 June 2017 in OJ L 145, 08.06.2017, p. 18
  Replaced by 4a1620i
  Transitional measures in article 4 of Commission Implementing Regulation (EU) 2017/963 of 7 June 2017
- Micro-organisms; E 1713; *Enterococcus faecium* CECT 4515 [Piglets (Weaned)]; Reg. (EC) No 2036/2005 of 14 December 2005 in OJ L 328, 15.12.2005, p. 13
  Replaced by 4b1713
  Transitional measures in article 2 of Commission Implementing Regulation (EU) No 2017/961 of 7 June 2017
- 2; b; Natural products – botanically defined; *Vitis vinifera* L.: Grape seed extract CoE 485; Moved to annex II
- 3; c; Amino acids, their salts and analogues; 3.4.1.; Tryptophan / L-tryptophan, technically pure; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36
  Transtional measures in article 2 of Commission Implementing Regulation (EU) 2017/873 of 22 May 2017
- 4; a; Digestibility enhancers; 4a1613; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (CNCM MA 6-10W) [Piglets (weaned)]; Reg. (EC) No 497/2007 in OJ L 117, 07.05.2007, p. 11
  Authorisation expired 25.05.2017

## *255th Edition*: published on 4 April 2017

Deletion.

- 4; a; Digestibility enhancers; 4a1606; Endo-1,4-beta xylanase EC 3.2.1.8 produced by *Bacillus subtilis* (LMG S-15136) (Belfeed B1100MP and Belfeed B1100ML) (Holder of the authorisation Beldem SA) [Ducks]; Reg. (EC) 242/2007 in OJ L 73, 13.03.2007, p. 1
  Authorisation expired

## *254th Edition*: published on 23 March 2017

Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.

- 4; b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société Industrielle Lesaffre) [Pigs for fattening]; Reg. (EC) No 209/2008 of 6 March 2008 in OJ L 63, 07.03.2008, p. 3
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

Deletion.

- 4; d; Other zootechnical additives; 4d800; Potassium diformate (Formi LHS) (Holder of the authorisation ADDCON) [Piglets (Weaned); Pigs for fattening]; Commission Regulation (EC) No 184/2007 of 20 February 2007 in OJ L 63, 01.03.2007, p. 1
  Authorisation expired 21.03.2017.

## *253rd Edition*: published on 20 March 2017

Additions.

- 1; a; Preservatives; 1a0001; *Lactobacillus fermentum* (NCIMB 41636), *Lactobacillus plantarum* (NCIMB 41638) and *Lactobacillus rhamnosus* (NCIMB 41640) [Dogs]; Commission Implementing Regulation (EU) 2017/455 of 15 March 2017 in OJ L 71, 15.03.2017, p. 15
- 3; c; Amino acids, their salts and analogues; 3c323; L-lysine sulphate produced by fermentation with *Escherichia coli* CGMCC 3705; Commission Implementing Regulation (EU) 2017/439 of 13 March 2017 in OJ L 67, 14.03.2017, p. 70
- 4; a; Digestibility enhancers; 4a1621i; Preparation of endo-1,3(4)-beta-glucanase produced by *Aspergillus aculeatinus* (formerly classified as *Aspergillus aculeatus*) (CBS 589.94), endo-1,4-beta-glucanase produced by *Trichoderma reesei* (formerly classified as *Trichoderma longibrachiatum*) (CBS 592.94), alpha-amylase produced by *Bacillus amyloliquefaciens* (DSM 9553) and endo-1,4-beta-xylanase produced by *Trichoderma viride* (NIBH FERM BP4842) (Holder of the authorisation Kemin Europa NV) [All avian species]; Commission Implementing Regulation (EU) 2017/429 of 10 March 2017 in OJ L 66, 11.03.2017, p. 4

- 4; b; Gut flora stabilisers; 4b1700i; *Bacillus subtilis* (DSM 5750) and *Bacillus licheniformis* (DSM 5749) (Holder of the authorisation Chr. Hansen A/S) [Weaned piglets; Pigs for fattening; Sows; Calves for rearing; Turkeys for fattening]
- 4; b; Gut flora stabilisers; 4b1827; Preparation of *Bacillus amyloliquefaciens* (PTA-6507), *Bacillus amyloliquefaciens* (NRRL B-50013) and *Bacillus amyloliquefaciens* (NRRL B-50104) (Holder of the authorisation Danisco (UK) Ltd (trading as Danisco Animal Nutrition)) [Chickens for fattening; Chickens reared for laying; Minor poultry species for fattening and reared for laying]; Commission Implementing Regulation (EU) 2017/440 of 13 March 2017 in OJ L 67, 14.03.2017, p. 74
- 4; d; Other zootechnical additives; 4d15; Thyme oil (*Thymus vulgaris* L.), synthetic star anise oil and quillaja bark powder (*Quillaja saponaria*) (Holder of the authorisation Delacon Biotechnik GmbH) [Chickens for fattening; Chickens reared for laying; Minor avian species for fattening and reared for laying]; Commission Implementing Regulation (EU) 2017/420 of 9 March 2017 in OJ L 64 10.03.2017, p. 7

Deletions.

- Enzymes; E 1621; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94) , alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Chickens for fattening]; Reg. (EC) No 358/2005 in OJ L 57, 03.03.2005, p. 3
  *Amended by* Commission Implementing Regulation (EU) 2017/429 of 10 March 2017 in OJ L 66, 11.03.2017, p. 4
  Replaced by 4a1621i
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/429 of 10 March 2017
- Enzymes; E 1621; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94) , alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Turkeys for fattening]; Reg. (EC) No 1284/2006 of 29 August 2006 in OJ L 235, 30.08.2006, p. 3
  *Amended by* Commission Implementing Regulation (EU) 2017/429 of 10 March 2017 in OJ L 66, 11.03.2017, p. 4
  Replaced by 4a1621i
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/429 of 10 March 2017
- Enzymes; E 1621; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94) , alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Laying hens]; Reg. (EU) No 516/2010 of 15 June 2010 in OJ L 150, 16.06.2010, p. 46
  Repealed by Commission Implementing Regulation (EU) 2017/429 of 10 March 2017 in OJ L 66, 11.03.2017, p. 4
  Replaced by 4a1621i
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/429 of 10 March 2017

- Micro-organisms; E 1700; *Bacillus licheniformis* (DSM 5749), *Bacillus subtilis* (DSM 5750) (In a 1/1 ratio) [Sows]; Reg. (EC) No 1453/2004 of 16 August 2004 is *amended by* Commission Implementing Regulation (EU) 2017/447 of 14 March 2017 in OJ L 69, 15.03.2017, p. 18
  Replaced by 4b1700i
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/447 of 14 March 2017
- Micro-organisms; E 1700; *Bacillus licheniformis* (DSM 5749), Bacillus subtilis (DSM 5750) (In a 1/1 ratio) [Pigs for fattening; Piglets]
  Reg. (EC) No 2148/2004 of 16 December 2004 is *amended by* Commission Implementing Regulation (EU) 2017/447 of 14 March 2017 in OJ L 69, 15.03.2017, p. 18
  Replaced by 4b1700i
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/447 of 14 March 2017
- Micro-organisms; E 1700; *Bacillus licheniformis* (DSM 5749), Bacillus subtilis (DSM 5750) (In a 1/1 ratio) [Turkeys for fattening; Calves]
  Reg. (EC) No 600/2005 is *amended by* Commission Implementing Regulation (EU) 2017/447 of 14 March 2017 in OJ L 69, 15.03.2017, p. 18
  Replaced by 4b1700i
  Transitional measures in article 5 of Commission Implementing Regulation (EU) 2017/447 of 14 March 2017

Amendments.

- 4; d; Other zootechnical additives; 4d800; Potassium diformate (Formi LHS) (Holder of the authorisation ADDCON ~~BASF SE~~) [Piglets (Weaned); Pigs for fattening]; Commission Regulation (EC) No 184/2007 of 20 February 2007 / *Amended by* Commission Implementing Regulation (EU) 2017/410 of 8 March 2017 in OJ L 63 09.03.2017, p. 98
- 4; d; Other zootechnical additives; 4d800; Potassium diformate (Formi LHS) (Holder of the authorisation ADDCON ~~BASF SE~~) [Sows]; Reg (EU) No 104/2010 of 5 February 2010 / *Amended by* Commission Implementing Regulation (EU) 2017/410 of 8 March 2017 in OJ L 63 09.03.2017, p. 98

Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.

- 4; d; Other zootechnical additives; 4d1; Lanthanum carbonate octahydrate (Lantharenol) (Holder of the authorisation Bayer HealthCare AG) [Cats]; Reg. (EC) No 163/2008 of 22 February 2008 in OJ L 50, 23.02.2008, p. 3
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

## ***252nd Edition***: published on 6 March 2017

Additions.

- 2; b; Flavouring compounds; 2b485; *Vitis vinifera* spp. *Vinifera*: Dry grape extract (mixture of seed and skin extract); CoE 485; CAS number 85594-37-2; FEMA 4045 [All animal species except dogs] ; Commission Implementing Regulation (EU) 2017/307 of 21 February 2017 in OJ L 44, 22.02.2017, p. 1

Deletions.

- 2; b; Natural products – botanically defined; *Vitis vinifera* spp. *Vinifera*: Dry grape extract (mixture of seed and skin extract); CoE 485; CAS number 85594-37-2; FEMA 4045 [All species with the exception of dogs]

Replaced by 2b485
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/307 of 21 February 2017

## *251st Edition*: published on 13 February 2017

Additions.

- 1; k; Silage additives; 1k20752; *Lactobacillus diolivorans* DSM 32074; Commission Implementing Regulation (EU) 2017/194 of 3 February 2017 in OJ L 31, 04.02.2017, p. 18
- 4; a; Digestibility enhancers; 4a1606i; Endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Bacillus subtilis* LMG-S 15136 (Holder of the authorisation Beldem, division of Puratos NV) [Poultry; Weaned piglets; pigs for fattening]; Commission Implementing Regulation (EU) 2017/211 of 7 February 2017 in OJ L 33, 08.02.2017, p. 23
- 4; a; Digestibility enhancers; 4a22; Preparation of endo-1,4-beta-xylanase (EC 3.2.1.8) and endo-1,3(4)-beta-glucanase (EC 3.2.1.6) produced by *Talaromyces versatilis* sp. nov. IMI CC 378536 and *Talaromyces versatilis* sp. nov. DSM 26702 (Holder of the authorisation Adisseo France S.A.S.) [Laying hens]; Commission Implementing Regulation (EU) 2017/210 of 7 February 2017 in OJ L 33, 08.02.2017, p. 19
- 4; b; Gut flora stabilisers; 4b1825; *Bacillus subtilis* (DSM 28343) (Holder of the authorisation Lactosan GmbH & Co. KG) [Lactosan GmbH & Co. KG]; Commission Implementing Regulation (EU) 2017/187 of 2 February 2017 in OJ L 29, 03.02.2017, p. 35
- 4; b; Gut flora stabilisers; 4b1826; *Bacillus subtilis* (DSM 27273) (Holder of the authorisation Chr.Hansen A/S) [Weaned piglets; Weaned minor porcine species]; Commission Implementing Regulation (EU) 2017/219 of 8 February 2017 in OJ L 34, 09.02.2017, p. 18

Amendments

- 4; b; Gut flora stabilisers; 4b1713; *Enterococcus faecium* CECT 4515 (Holder of the authorisation ~~NOREL SA~~ Evonik Nutrition & Care GmbH) [Chickens for fattening]; Commission Implementing Regulation (EU) No 887/2011 of 5 September 2011 is *amended by* Commission Implementing Regulation (EU) 2017/173 of 1 February 2017 in OJ L 28, 02.02.2017, p. 5
  Implementing Regulation (EU) No 887/2011 is amended as follows: (a) in the title, the term 'Norel SA' is replaced by the term 'Evonik Nutrition & Care GmbH'; (b) in column 2 of the Annex, the term 'Norel SA' is replaced by the term 'Evonik Nutrition & Care GmbH'.
- 4; b; Gut flora stabilisers; 4b1822; *Bacillus amyloliquefaciens* CECT 5940 (Ecobiol and Ecobiol plus) (Holder of the authorisation ~~NOREL SA~~ Evonik Nutrition & Care GmbH) [Chickens for fattening]; Reg. (EC) No 1292/2008 of 18 December 2008 is *amended by* Commission Implementing Regulation (EU) 2017/173 of 1 February 2017 in OJ L 28, 02.02.2017, p. 5
  In column 2 of the Annex to Regulation (EC) No 1292/2008 the term 'Norel SA' is replaced by the term 'Evonik Nutrition & Care GmbH'.
- Enzymes; E 1606; Preparation of endo-1,4-beta-xylanase produced by *Bacillus subtilis* (LMG-S15136) [Chickens for fattening]; Reg. (EC) No 1259/2004 is *amended by* Commission Implementing Regulation (EU) 2017/211 of 7 February 2017 in OJ L 33, 08.02.2017, p. 23; 2017Annex VI to Regulation (EC) No 1259/2004 is deleted;
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/211 of 7 February.
- Enzymes; E 1606; Preparation of endo-1,4-beta-xylanase produced by *Bacillus subtilis* (LMG-S15136) [Piglets (Weaned)]; Reg. (EC) No 1206/2005 is *amended by* Commission Implementing Regulation (EU) 2017/211 of 7 February 2017; in OJ L 33, 08.02.2017, p. 23 ;In Annex I to Regulation (EC) No 1206/2005, the entry E 1606 endo-1,4-beta-xylanase (EC 3.2.1.8), is deleted

Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/211 of 7 February 2017

- Enzymes; E 1606; Preparation of endo-1,4-beta-xylanase produced by *Bacillus subtilis* (LMG-S15136) [Laying hens]; Reg. (EC) No 322/2009 of 20.04.2009 is *amended by* Commission Implementing Regulation (EU) 2017/211 of 7 February 2017 in OJ L 33, 08.02.2017, p. 23; Annex I to Regulation (EC) No 322/2009 is deleted.
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/211 of 7 February 2017

Repeal

- Enzymes; E 1606; Preparation of endo-1,4-beta-xylanase produced by *Bacillus subtilis* (LMG-S15136) [Pigs for Fattening; Turkeys for fattening]; Reg. (EC) No 516/2007 is repealed by Commission Implementing Regulation (EU) 2017/211 of 7 February 2017 in OJ L 33, 08.02.2017, p. 23
  Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/211 of 7 February 2017

Corrections in Annex I:

- 3; b; Trace elements; E 1; Iron – Fe, Ferric chloride, hexahydrate
- 3; b; Trace elements; E 1; Iron – Fe, Ferric oxide
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous carbonate
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous chelate of amino acids, hydrate
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous chelate of glycine, hydrate
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous fumarate
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous sulphate, heptahydrate
- 3; b; Trace elements; E 1; Iron – Fe, Ferrous sulphate, monohydrate
- 3; b; Trace elements; E 4; Copper – Cu, Basic cupric carbonate, monohydrate
- 3; b; Trace elements; E 4; Copper – Cu, Cupric acetate, monohydrate
- 3; b; Trace elements; E 4; Copper – Cu, Cupric chelate of amino acids hydrate
- 3; b; Trace elements; E 4; Copper – Cu, Cupric chelate of glycine, hydrate
- 3; b; Trace elements; E 4; Copper – Cu, Cupric chloride, dihydrate
- 3; b; Trace elements; E 4; Copper – Cu, Cupric oxide
- 3; b; Trace elements; E 4; Copper – Cu, Cupric sulphate, pentahydrate
- 3; b; Trace elements; E 5; Manganese – Mn, Manganese chelate of amino acids hydrate
- 3; b; Trace elements; E 5; Manganese – Mn, Manganous chloride, tetrahydrate
- 3; b; Trace elements; E 5; Manganese – Mn, Manganous oxide
- 3; b; Trace elements; E 5; Manganese – Mn, Manganous sulphate, monohydrate
- 3; b; Trace elements; E 6; Zinc – Zn, Zinc acetate, dihydrate
- 3; b; Trace elements; E 6; Zinc – Zn, Zinc chelate of amino acids hydrate
- 3; b; Trace elements; E 6; Zinc – Zn, Zinc oxide
- 3; b; Trace elements; E 6; Zinc – Zn, Zinc sulphate, heptahydrate
- 3; b; Trace elements; E 6; Zinc – Zn, Zinc sulphate, monohydrate

- 3; b; Trace elements; E 7; Molybdenum – Mo, Sodium molybdate [Sheep]

Corrections in Annex II:

- 3; b; Trace elements; E 1; Iron - Fe, Ferrous chloride, tetrahydrate
- 3; b; Trace elements; E 1; Iron - Fe, Ferrous citrate, hexahydrate
- 3; b; Trace elements; E 1; Iron - Fe, Ferrous lactate, trihydrate
- 3; b; Trace elements; E 2; Iodine – I, Calcium iodate, anhydrous
- 3; b; Trace elements; E 2; Iodine - I, Calcium iodate, hexahydrate
- 3; b; Trace elements; E 2; Iodine – I, Potassium iodide
- 3; b; Trace elements; E 2; Iodine - I, Sodium iodide
- 3; b; Trace elements; E 3; Cobalt - Co, Cobaltous chloride, hexahydrate
- 3; b; Trace elements; E 3; Cobalt - Co, Cobaltous nitrate, hexahydrate
- 3; b; Trace elements; E 3; Cobalt - Co, Cobaltous sulphate, monohydrate
- 3; b; Trace elements; E 4; Copper - Cu, Cupric methionate
- 3; b; Trace elements; E 5; Manganese - Mn, Manganic oxide
- 3; b; Trace elements; E 5; Manganese - Mn, Manganomanganic oxide
- 3; b; Trace elements; E 5; Manganese – Mn, Manganous carbonate
- 3; b; Trace elements; E 5; Manganese - Mn, Manganous hydrogen phosphate, trihydrate
- 3; b; Trace elements; E 5; Manganese - Mn, Manganous sulphate, tetrahydrate
- 3; b; Trace elements; E 6; Zinc - Zn, Zinc carbonate
- 3; b; Trace elements; E 6; Zinc – Zn, Zinc chloride, monohydrate
- 3; b; Trace elements; E 6; Zinc - Zn, Zinc lactate, trihydrate
- 3; b; Trace elements; E 7; Molybdenum – Mo, Sodium molybdate [All animal species with exception of sheep]

## ***250$^{th}$ Edition***: published on 23 January 2017

Information:

The modifications to the Register for versions 1 to 249 are available on page Appendix 3e.

Additions

- 2; b; Flavouring compounds; 1k280; Propionic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b02004; Butan-1-ol; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b02005; Hexan-1-ol; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b02006; Octan-1-ol; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b02007; Nonan-1-ol; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1

- 2; b; Flavouring compounds; 2b02008; Dodecan-1-ol; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b02021; Heptan-1-ol; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b02024; Decan-1-ol; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b02040; Pentan-1-ol; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b02078; Ethanol; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05001; Acetaldehyde; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05002; Propanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05003; Butanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05005; Pentanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05008; Hexanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05009; Octanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05010; Decanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05011; Dodecanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05025; Nonanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05031; Heptanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b05034; Undecanal; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b06001; 1,1-Diethoxyethane; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08001; Formic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08002; Acetic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08007; Valeric acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08009; Hexanoic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08010; Octanoic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08011; Decanoic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1

- 2; b; Flavouring compounds; 2b08012; Dodecanoic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08013; Oleic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08014; Hexadecanoic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08016; Tetradecanoic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08028; Heptanoic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b08029; Nonanoic acid; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09001; Ethyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09002; Propyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09004; Butyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09006; Hexyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09007; Octyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09008; Nonyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09009; Decyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09010; Dodecyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09022; Heptyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09023; Methyl acetate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09038; Methyl butyrate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09042; Butyl butyrate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09044; Pentyl butyrate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09045; Hexyl butyrate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09046; Octyl butyrate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09059; Ethyl decanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09060; Ethyl hexanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1

- 2; b; Flavouring compounds; 2b09061; Propyl hexanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09065; Pentyl hexanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09066; Hexyl hexanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09069; Methyl hexanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09072; Ethyl formate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09099; Ethyl dodecanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09104; Ethyl tetradecanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09107; Ethyl nonanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09111; Ethyl octanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09121; Ethyl propionate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09134; Methyl propionate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09147; Ethyl valerate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09148; Butyl valerate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09191; Ethyl hex-3-enoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09193; Ethyl hexadecanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09248; Ethyl trans-2-butenoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09274; Ethyl undecanoate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09449; Butyl isovalerate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09478; Hexyl isobutyrate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09483; Methyl 2-methylbutyrate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09507; Hexyl 2-methylbutyrate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09512; Triethyl citrate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b09529; Hexyl isovalerate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1

- 2; b; Flavouring compounds; 2b09549; Methyl 2-methylvalerate; Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 in OJ L 13, 17.01.2017, p. 1
- 2; b; Flavouring compounds; 2b02001; 2-Methylpropan-1-ol; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b02003; Isopentanol; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b02026; 3,7-Dimethyloctan-1-ol; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b02082; 2-Ethylhexan-1-ol; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b05004; 2-Methylpropanal; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b05006; 3-Methylbutanal; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b05049; 2-Methylbutyraldehyde; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b08008; 3-Methylbutyric acid; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b08031; 2-Methylvaleric acid; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b08045; 2-Ethylbutyric acid; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b08046; 2-Methylbutyric acid; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b08047; 2-Methylheptanoic acid; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b08062; 4-Methylnonanoic acid; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b08063; 4-Methyloctanoic acid; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09005; Isobutyl acetate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09043; Isobutyl butyrate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09070; 3-Methylbutyl hexanoate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09103; 3-Methylbutyl dodecanoate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09120; 3-Methylbutyl octanoate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09136; 3-Methylbutyl propionate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09162; 3-Methylbutyl formate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09211; Glyceryl tributyrate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80

- 2; b; Flavouring compounds; 2b09417; Isobutyl isobutyrate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09419; Isopentyl isobutyrate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09472; Isobutyl isovalerate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09530; Isopentyl 2-methylbutyrate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09531; 2-Methylbutyl isovalerate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b09659; 2-Methylbutyl butyrate; Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 in OJ L 13, 17.01.2017, p. 80
- 2; b; Flavouring compounds; 2b02022; Octan-2-ol; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b02079; Isopropanol; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b02088; Pentan-2-ol; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b02098; Octan-3-ol; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b07002; Heptan-2-one; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b07054; Pentan-2-one; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b07099; 6-Methyl- hepta- 3,5-dien- 2-one; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b07113; Nonan- 3- one; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b07150; Decan- 2 -one; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b09105; Isopropyl tetradecanoate; Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 in OJ L 13, 17.01.2017, p. 112
- 2; b; Flavouring compounds; 2b08004; Lactic acid; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b08023; 4-Oxovaleric acid; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b08024; Succinic acid; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b08025; Fumaric acid; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b09402; Ethyl acetoacetate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b09433; Ethyl lactate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b09434; Butyl lactate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129

- 2; b; Flavouring compounds; 2b09435; Ethyl 4-oxovalerate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b09444; Diethyl succinate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b09490; Diethyl malonate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b09491; Butyl-O-butyryllactate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b09545; Hex-3-enyl lactate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b09580; Hexyl lactate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b10006; Butyro-1,4-lactone; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b10007; Decano-1,5-lactone; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b10011; Undecano-1,5-lactone; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b10013; Pentano-1,4-lactone; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b10014; Nonano-1,5-lactone; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b10015; Octano-1,5-lactone; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b10020; Heptano-1,4-lactone; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b10021; Hexano-1,4-lactone; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
- 2; b; Flavouring compounds; 2b13009; 3,4-Dihydrocoumarin; Commission Implementing Regulation (EU) 2017/57 of 14 December 2016 in OJ L 13, 17.01.2017, p. 153
- 2; b; Flavouring compounds; 2b03001; 1,8-Cineole; Commission Implementing Regulation (EU) 2017/57 of 14 December 2016 in OJ L 13, 17.01.2017, p. 153
- 2; b; Flavouring compounds; 2b13037; 2-(2-Methylprop-1-enyl)-4-methyltetrahydropyran; Commission Implementing Regulation (EU) 2017/57 of 14 December 2016 in OJ L 13, 17.01.2017, p. 153
- 2; b; Flavouring compounds; 2b02014; alpha-Terpineol; Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 in OJ L 13, 17.01.2017, p. 159
- 2; b; Flavouring compounds; 2b02018; Nerolidol; Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 in OJ L 13, 17.01.2017, p. 159
- 2; b; Flavouring compounds; 2b02042; 2-(4-Methylphenyl)propan-2-ol; Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 in OJ L 13, 17.01.2017, p. 159
- 2; b; Flavouring compounds; 2b02230; Terpineol; Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 in OJ L 13, 17.01.2017, p. 159
- 2; b; Flavouring compounds; 2b09013; Linalyl acetate; Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 in OJ L 13, 17.01.2017, p. 159

- 2; b; Flavouring compounds; 2b06006; 1,1-Dimethoxy-2-phenylethane; Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 in OJ L 13, 17.01.2017, p. 167
- 2; b; Flavouring compounds; 2b09083; Phenethyl formate; Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 in OJ L 13, 17.01.2017, p. 167
- 2; b; Flavouring compounds; 2b09262; Phenethyl octanoate; Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 in OJ L 13, 17.01.2017, p. 167
- 2; b; Flavouring compounds; 2b09427; Phenethyl isobutyrate; Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 in OJ L 13, 17.01.2017, p. 167
- 2; b; Flavouring compounds; 2b09538; Phenethyl 2-methyl-butyrate; Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 in OJ L 13, 17.01.2017, p. 167
- 2; b; Flavouring compounds; 2b09774; Phenethyl benzoate; Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 in OJ L 13, 17.01.2017, p. 167
- 2; b; Flavouring compounds; 2b04004; Isoeugenol; Commission Implementing Regulation (EU) 2017/60 of 14 December 2016 in OJ L 13, 17.01.2017, p. 177
- 2; b; Flavouring compounds; 2b04051; 4-Allyl-2,6-dimethoxyphenol [All animal species except fish and poultry]; Commission Implementing Regulation (EU) 2017/61 of 14 December 2016 in OJ L 13, 17.01.2017, p. 181
- 2; b; Flavouring compounds; 2b09020; Eugenyl acetate; Commission Implementing Regulation (EU) 2017/61 of 14 December 2016 in OJ L 13, 17.01.2017, p. 181
- 2; b; Flavouring compounds; 2b12001; 3-(Methylthio)propionaldehyde; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12002; Methyl 3-(methylthio)propionate; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12004; Allylthiol; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12006; Dimethyl sulfide; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12007; Dibutyl sulfide; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12008; Diallyl disulfide; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12009; Diallyl trisulfide; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12013; Dimethyl trisulfide; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12014; Dipropyl disulfide; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12025; Allyl isothiocyanate; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12026; Dimethyl disulfide; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12027; 2-Methylbenzene-1-thiol; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12032; S-Methyl butanethioate; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186

- 2; b; Flavouring compounds; 2b12037; Allyl methyl disulfide; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12062; 3-(Methylthio)propan-1-ol; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12063; 3-(Methylthio)hexan-1-ol; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12071; 1-Propane-1-thiol; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12088; Diallyl sulfide; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12118; 2,4-Dithiapentane; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12168; 2-Methyl-2-(methyldithio) propanal; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12173; 2-Methylpropane-1-thiol; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12175; Methylsulfinyl methane; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b12197; Propane-2-thiol; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b15025; 3,5-Dimethyl-1,2,4-trithiolane; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b16030; 2-Methyl-4-propyl-1,3-oxathiane; Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 in OJ L 13, 17.01.2017, p. 186
- 2; b; Flavouring compounds; 2b02010; Benzyl alcohol; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b02039; 4-Isopropylbenzyl alcohol; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b05013; Benzaldehyde; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b05017; Veratraldehyde [All animal species except poultry and fish]; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b05022; 4-Isopropylbenzaldehyde; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b05029; p-Tolualdehyde; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b05055; Salicylaldehyde; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b05129; 2-Methoxybenzaldehyde; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b08021; Benzoic acid; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b08080; Gallic acid [All animal species except fish]; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214

- 2; b; Flavouring compounds; 2b09014; Benzyl acetate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09051; Benzyl butyrate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09077; Benzyl formate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09132; Benzyl propionate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09316; Benzyl hexanoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09426; Benzyl isobutyrate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09458; Benzyl isovalerate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09581; Hexyl salicylate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09705; Benzyl phenylacetate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09725; Methyl benzoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09726; Ethyl benzoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09755; Isopentyl benzoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09757; Isobutyl benzoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b09762; Pentyl salicylate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 2; b; Flavouring compounds; 2b16060; Glycyrrhizic acid ammoniated; Commission Implementing Regulation (EU) 2017/64 of 14 December 2016 in OJ L 13, 17.01.2017, p. 242
- 2; b; Flavouring compounds; 2b01002; 1-Isopropyl- 4-methylbenzene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
- 2; b; Flavouring compounds; 2b01003; Pin-2(10)- ene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
- 2; b; Flavouring compounds; 2b01004; Pin-2(3)- ene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
- 2; b; Flavouring compounds; 2b01007; beta-caryophyllene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
- 2; b; Flavouring compounds; 2b01009; Camphene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
- 2; b; Flavouring compounds; 2b01010; 1-Isopropenyl-4- methylbenzene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
- 2; b; Flavouring compounds; 2b01029; delta-3- Carene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
- 2; b; Flavouring compounds; 2b01045; d-Limonene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246

- 2; b; Flavouring compounds; 2b16080; Tannic acid; Commission Implementing Regulation (EU) 2017/66 of 14 December 2016 in OJ L 13, 17.01.2017, p. 259

Deletions:

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 79-09-4 / Propionic acid / Flavis No. 08.003;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 1k280
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016
- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 71-36-3 / Butan-1-ol / Flavis No. 02.004;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02004
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016
- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 111-27-3 / Hexan-1-ol / Flavis No. 02.005;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02005
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016
- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 111-87-5 / Octan-1-ol / Flavis No. 02.006;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02006
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016
- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 143-08-8 / Nonan-1-ol / Flavis No. 02.007;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02007
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016
- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-53-8 / Dodecan-1-ol / Flavis No. 02.008;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02008
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 111-70-6 / Heptan-1-ol / Flavis No. 02.021;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02021
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-30-1 / Decan-1-ol / Flavis No. 02.024;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02024
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 71-41-0 / Pentan-1-ol / Flavis No. 02.040;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02040
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 64-17-5 / Ethanol / Flavis No. 02.078;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02078
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 75-07-0 / Acetaldehyde / Flavis No. 05.001;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05001
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 123-38-6 / Propanal / Flavis No. 05.002;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05002
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 123-72-8 / Butanal / Flavis No. 05.003;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05003
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-62-3 / Pentanal / Flavis No. 05.005;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05005
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 66-25-1 / Hexanal / Flavis No. 05.008;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05008
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 124-13-0 / Octanal / Flavis No. 05.009;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05009
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-31-2 / Decanal / Flavis No. 05.010;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05010
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-54-9 / Dodecanal / Flavis No. 05.011;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05011
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 124-19-6 / Nonanal / Flavis No. 05.025;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05025
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 111-71-7 / Heptanal / Flavis No. 05.031;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05031
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-44-7 / Undecanal / Flavis No. 05.034;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05034
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 105-57-7 / 1,1-Diethoxyethane / Flavis No. 06.001;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b06001
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 64-18-6 / Formic acid / Flavis No. 08.001;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08001
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 64-19-7 / Acetic acid / Flavis No. 08.002;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08002
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 109-52-4 / Valeric acid / Flavis No. 08.007;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08007
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 142-62-1 / Hexanoic acid / Flavis No. 08.009;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08009
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 124-07-2 / Octanoic acid / Flavis No. 08.010;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08010
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 334-48-5 / Decanoic acid / Flavis No. 08.011;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08011
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 143-07-7 / Dodecanoic acid / Flavis No. 08.012;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08012
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-80-1 / Oleic acid / Flavis No. 08.013;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08013
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 57-10-3 / Hexadecanoic acid / Flavis No. 08.014;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08014
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 544-63-8 / Tetradecanoic acid / Flavis No. 08.016;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08016
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 111-14-8 / Heptanoic acid / Flavis No. 08.028;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08028
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-05-0 / Nonanoic acid / Flavis No. 08.029;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08029
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 141-78-6 / Ethyl acetate / Flavis No. 09.001;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09001
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 109-60-4 / Propyl acetate / Flavis No. 09.002;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09002
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 123-86-4 / Butyl acetate / Flavis No. 09.004;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09004
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 142-92-7 / Hexyl acetate / Flavis No. 09.006;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09006
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-14-1 / Octyl acetate / Flavis No. 09.007;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09007
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 143-13-5 / Nonyl acetate / Flavis No. 09.008;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09008
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-17-4 / Decyl acetate / Flavis No. 09.009;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09009
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-66-3 / Dodecyl acetate / Flavis No. 09.010;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09010
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 112-06-1 / Heptyl acetate / Flavis No. 09.022;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09022
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 79-20-9 / Methyl acetate / Flavis No. 09.023;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09023
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 623-42-7 / Methyl butyrate / Flavis No. 09.038;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09038
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 109-21-7 / Butyl butyrate / Flavis No. 09.042;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09042
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 540-18-1 / Pentyl butyrate / Flavis No. 09.044;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09044
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2639-63-6 / Hexyl butyrate / Flavis No. 09.045;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09045
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-39-4 / Octyl butyrate / Flavis No. 09.046;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09046
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-38-3 / Ethyl decanoate / Flavis No. 09.059;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09059
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 123-66-0 / Ethyl hexanoate / Flavis No. 09.060;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09060
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 626-77-7 / Propyl hexanoate / Flavis No. 09.061;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09061
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 540-07-8 / Pentyl hexanoate / Flavis No. 09.065;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09065
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 6378-65-0 / Hexyl hexanoate / Flavis No. 09.066;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09066
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 106-70-7 / Methyl hexanoate / Flavis No. 09.069;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09069
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 109-94-4 / Ethyl formate / Flavis No. 09.072;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09072
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 106-33-2 / Ethyl dodecanoate / Flavis No. 09.099;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09099
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 124-06-1 / Ethyl tetradecanoate / Flavis No. 09.104;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09104
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 123-29-5 / Ethyl nonanoate / Flavis No. 09.107;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09107
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 106-32-1 / Ethyl octanoate / Flavis No. 09.111;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09111
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 105-37-3 / Ethyl propionate / Flavis No. 09.121;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09121
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 554-12-1 / Methyl propionate / Flavis No. 09.134;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09134
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 539-82-2 / Ethyl valerate / Flavis No. 09.147;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09147
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 591-68-4 / Butyl valerate / Flavis No. 09.148;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09148
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2396-83-0 / Ethyl hex-3-enoate / Flavis No. 09.191;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09191
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 628-97-7 / Ethyl hexadecanoate / Flavis No. 09.193;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09193
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 623-70-1 / Ethyl trans-2-butenoate / Flavis No. 09.248;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09248
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 627-90-7 / Ethyl undecanoate / Flavis No. 09.274;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09274
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 109-19-3 / Butyl isovalerate / Flavis No. 09.449;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09449
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2349-07-7 / Hexyl isobutyrate / Flavis No. 09.478;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09478
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 868-57-5 / Methyl 2-methylbutyrate / Flavis No. 09.483;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09483
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 10032-15-2 / Hexyl 2-methylbutyrate / Flavis No. 09.507;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09507
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 77-93-0 / Triethyl citrate / Flavis No. 09.512;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09512
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 10032-13-0 / Hexyl isovalerate / Flavis No. 09.529;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09529
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2177-77-7 / Methyl 2-methylvalerate / Flavis No. 09.549;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09549
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/53 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 78-83-1 / 2-Methylpropan-1-ol / Flavis No. 02.001;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02001
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 123-51-3 / Isopentanol / Flavis No. 02.003;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02003
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 106-21-8 / 3,7-Dimethyloctan-1-ol / Flavis No. 02.026;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02026
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 104-76-7 / 2-Ethylhexan-1-ol / Flavis No. 02.082;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02082
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 78-84-2 / 2-Methylpropanal / Flavis No. 05.004;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05004
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 590-86-3 / 3-Methylbutanal / Flavis No. 05.006;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05006
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 96-17-3 / 2-Methylbutyraldehyde / Flavis No. 05.049;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05049
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 503-74-2 / 3-Methylbutyric acid / Flavis No. 08.008;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08008
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 97-61-0 / 2-Methylvaleric acid / Flavis No. 08.031;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08031
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 88-09-5 / 2-Ethylbutyric acid / Flavis No. 08.045;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08045
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 116-53-0 / 2-Methylbutyric acid / Flavis No. 08.046;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08046
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 1188-02-9 / 2-Methylheptanoic acid / Flavis No. 08.047;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08047
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 45019-28-1 / 4-Methylnonanoic acid / Flavis No. 08.062;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08062
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 54947-74-9 / 4-Methyloctanoic acid / Flavis No. 08.063;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08063
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-19-0 / Isobutyl acetate / Flavis No. 09.005;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09005
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 539-90-2 / Isobutyl butyrate / Flavis No. 09.043;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09043
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2198-61-0 / 3-Methylbutyl hexanoate / Flavis No. 09.070;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09070
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 6309-51-9 / 3-Methylbutyl dodecanoate / Flavis No. 09.103;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09103
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2035-99-6 / 3-Methylbutyl octanoate / Flavis No. 09.120;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09120
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 105-68-0 / 3-Methylbutyl propionate / Flavis No. 09.136;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09136
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-45-2 / 3-Methylbutyl formate / Flavis No. 09.162;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09162
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 60-01-5 / Glyceryl tributyrate / Flavis No. 09.211;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09211
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 97-85-8 / Isobutyl isobutyrate / Flavis No. 09.417;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09417
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2050-01-3 / Isopentyl isobutyrate / Flavis No. 09.419;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09419
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 589-59-3 / Isobutyl isovalerate / Flavis No. 09.472;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09472
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 27625-35-0 / Isopentyl 2-methylbutyrate / Flavis No. 09.530;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09530
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2445-77-4 / 2-Methylbutyl isovalerate / Flavis No. 09.531;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09531
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 51115-64-1 / 2-Methylbutyl butyrate / Flavis No. 09.659;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09659
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/54 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 123-96-6 / Octan-2-ol / Flavis No. 02.022;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02022
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 67-63-0 / Isopropanol / Flavis No. 02.079;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02079
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 6032-29-7 / pentan-2-ol; sec-Amyl alcohol; alpha-Methyl butanol; Methyl n-propyl carbinol; Methyl n-Propyl carbinol; Propyl methyl carbinol; / Flavis No. 02.088;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02088
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 589-98-0 / Octan-3-ol / Flavis No. 02.098;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02098
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-43-0 / Heptan-2-one / Flavis No. 07.002;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b07002
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 107-87-9 / Pentan-2-one / Flavis No. 07.054;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b07054
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 1604-28-0 / 6-Methylhepta-3,5-dien-2-one / Flavis No. 07.099;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b07099
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 925-78-0 / Nonan-3-one / Flavis No. 07.113;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b07113
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 693-54-9 / Decan-2-one / Flavis No. 07.150;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b07150
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-27-0 / Isopropyl tetradecanoate / Flavis No. 09.105;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09105
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/55 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 598-82-3 / Lactic acid / Flavis No. 08.004;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08004
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 123-76-2 / 4-Oxovaleric acid / Flavis No. 08.023;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08023
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-15-6 / Succinic acid / Flavis No. 08.024;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08024
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-17-8 / Fumaric acid / Flavis No. 08.025;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08025
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 141-97-9 / Ethyl acetoacetate / Flavis No. 09.402;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09402
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 97-64-3 / Ethyl lactate / Flavis No. 09.433;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09433
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 138-22-7 / Butyl lactate / Flavis No. 09.434;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09434
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 539-88-8 / Ethyl 4-oxovalerate / Flavis No. 09.435;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09435
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 123-25-1 / Diethyl succinate / Flavis No. 09.444;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09444
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 105-53-3 / Diethyl malonate / Flavis No. 09.490;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09490
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 7492-70-8 / Butyl-O-butyryllactate / Flavis No. 09.491;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09491
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 61931-81-5 / Hex-3-enyl lactate / Flavis No. 09.545;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09545
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 20279-51-0 / Hexyl lactate / Flavis No. 09.580;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09580
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 96-48-0 / Butyro-1,4-lactone / Flavis No. 10.006;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b10006
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 705-86-2 / Decano-1,5-lactone / Flavis No. 10.007;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b10007
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 710-04-3 / Undecano-1,5-lactone / Flavis No. 10.011;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b10011
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 108-29-2 / Pentano-1,4-lactone / Flavis No. 10.013;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b10013
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 3301-94-8 / Nonano-1,5-lactone / Flavis No. 10.014;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b10014
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 698-76-0 / Octano-1,5-lactone / Flavis No. 10.015;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b10015
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 105-21-5 / Heptano-1,4-lactone / Flavis No. 10.020;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b10020
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 695-06-7 / Hexano-1,4-lactone / Flavis No. 10.021;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b10021
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/56 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 470-82-6 / 1,8-Cineole / Flavis No. 03.001;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b03001
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/57 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 119-84-6 / 3,4-Dihydrocoumarin / Flavis No. 13.009;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b13009
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/57 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 16409-43-1 / 2-(2-Methylprop-1-enyl)-4-methyltetrahydropyran / Flavis No. 13.037;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b13037
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/57 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 98-55-5 / alpha-Terpineol / Flavis No. 02.014;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02014
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/58 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 7212-44-4 / Nerolidol / Flavis No. 02.018;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02018
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/58 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 1197-01-9 / 2-(4-Methylphenyl)propan-2-ol; alpha.,.alpha.,4-trimethylbenzyl alcohol; p-Cymen-8-ol; p-alpha-alpha-Trimethylbenzyl alcohol; 2-p-Tolyl-2-propanol; 8-Hydroxy p-cymene; Dimethyl p-Tolyl carbinol / Flavis No. 02.042;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02042
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/58 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 8000-41-7 / Terpineol / Flavis No. 02.230;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02230
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/58 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 115-95-7 / Linalyl acetate / Flavis No. 09.013;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09013
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/58 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 101-48-4 / 1,1-Dimethoxy-2-phenylethane / Flavis No. 06.006;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b06006
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/59 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 104-62-1 / Phenethyl formate / Flavis No. 09.083;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09083
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/59 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 5457-70-5 / Phenethyl octanoate / Flavis No. 09.262;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09262
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/59 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 103-48-0 / Phenethyl isobutyrate / Flavis No. 09.427;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09427
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/59 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 24817-51-4 / Phenethyl 2-methylbutyrate / Flavis No. 09.538;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09538
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/59 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 94-47-3 / Phenethyl benzoate / Flavis No. 09.774;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09774
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/59 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 97-54-1 / Isoeugenol / Flavis No. 04.004;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b04004
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/60 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 6627-88-9 / 4-Allyl-2,6-dimethoxyphenol / Flavis No. 04.051 [All animal species with the exception of fish and poultry];
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b04051
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/61 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 3268-49-3 / 3-(Methylthio)propionaldehyde / Flavis No. 12.001;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12001
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 13532-18-8 / Methyl 3-(methylthio)propionate / Flavis No. 12.002;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12002
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 870-23-5 / Allylthiol / Flavis No. 12.004;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12004
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 75-18-3 / Dimethyl sulfide / Flavis No. 12.006;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12006
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 544-40-1 / Dibutyl sulfide/ Flavis No. 12.007;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12007
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2179-57-9 / Diallyl disulfide / Flavis No. 12.008;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12008
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2050-87-5 / Diallyl trisulfide / Flavis No. 12.009;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12009
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 3658-80-8 / Dimethyl trisulfide / Flavis No. 12.013;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12013
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 629-19-6 / Dipropyl disulfide / Flavis No. 12.014;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12014
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 57-06-7 / Allyl isothiocyanate / Flavis No. 12.025;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12025
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 624-92-0 / Dimethyl disulfide / Flavis No. 12.026;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12026
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 137-06-4 / 2-Methylbenzene-1-thiol / Flavis No. 12.027;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12027
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2432-51-1 / S-Methyl butanethioate / Flavis No. 12.032;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12032
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2179-58-0 / Allyl methyl disulfide / Flavis No. 12.037;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12037
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 505-10-2 / 3-(Methylthio)propan-1-ol / Flavis No. 12.062;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12062
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 51755-66-9 / 3-(Methylthio)hexan-1-ol / Flavis No. 12.063;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12063
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 107-03-9 / 1-Propane-1-thiol / Flavis No. 12.071;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12071
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 592-88-1 / Diallyl sulfide / Flavis No. 12.088;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12088
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 1618-26-4 / 2,4-Dithiapentane / Flavis No. 12.118;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12118
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 67952-60-7 / 2-Methyl-2-(methyldithio)propanal / Flavis No. 12.168;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12168
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 513-44-0 / 2-Methylpropane-1-thiol / Flavis No. 12.173;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12173
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 67-68-5 / Methylsulfinylmethane / Flavis No. 12.175;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12175
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 75-33-2 / Propane-2-thiol / Flavis No. 12.197;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b12197
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 23654-92-4 / 3,5-Dimethyl-1,2,4-trithiolane / Flavis No. 15.025;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b15025
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 67715-80-4 / 2-Methyl-4-propyl-1,3-oxathiane / Flavis No. 16.030;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b16030
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/62 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 100-51-6 / Benzyl alcohol / Flavis No. 02.010;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02010
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 536-60-7 / 4-Isopropylbenzyl alcohol / Flavis No. 02.039;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b02039
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 100-52-7 / Benzaldehyde / Flavis No. 05.013;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05013
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 120-14-9 / Veratraldehyde / Flavis No. 05.017;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05017
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 122-03-2 / 4-Isopropylbenzaldehyde / Flavis No. 05.022;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05022
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 104-87-0 / p-Tolualdehyde / Flavis No. 05.029;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05029
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 90-02-8 / Salicylaldehyde / Flavis No. 05.055;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05055
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 135-02-4 / 2-Methoxybenzaldehyde / Flavis No. 05.129;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b05129
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 65-85-0 / Benzoic acid / Flavis No. 08.021;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08021
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 149-91-7 / Gallic acid / Flavis No. 08.080;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b08080
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 140-11-4 / Benzyl acetate / Flavis No. 09.014;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09014
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 93-28-7 / Eugenyl acetate / Flavis No. 09.020 [All animal species with the exception of poultry and fish];
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09020
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 103-37-7 / Benzyl butyrate / Flavis No. 09.051;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09051
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 104-57-4 / Benzyl formate / Flavis No. 09.077;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09077
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 122-63-4 / Benzyl propionate / Flavis No. 09.132;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09132
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 6938-45-0 / Benzyl hexanoate / Flavis No. 09.316;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09316
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 103-28-6 / Benzyl isobutyrate / Flavis No. 09.426;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09426
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 103-38-8 / Benzyl isovalerate / Flavis No. 09.458;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09458
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 6259-76-3 / Hexyl salicylate / Flavis No. 09.581;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09581
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 102-16-9 / Benzyl phenylacetate / Flavis No. 09.705;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09705
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 93-58-3 / Methyl benzoate / Flavis No. 09.725;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09725
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 93-89-0 / Ethyl benzoate / Flavis No. 09.726;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09726
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 94-46-2 / Decan-1-ol benzoate / Flavis No. 09.755;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09755
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 120-50-3 / Isobutyl benzoate / Flavis No. 09.757;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09757
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2050-08-0 / Pentyl salicylate / Flavis No. 09.762;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b09762
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/63 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 53956-04-0 / Glycyrrhizic acid, ammoniated / Flavis No. 16.060;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b16060
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/64 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 72401-53-7 / Tannic acid / Flavis No. 16.080;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b16080
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/66 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 99-87-6 / 1-Isopropyl-4-methylbenzene / Flavis No. 01.002;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b01002
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/65 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 127-91-3 / Pin-2(10)-ene / Flavis No. 01.003;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b01003
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/65 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 80-56-8 / Pin-2(3)-ene / Flavis No. 01.004;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b01004
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/65 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 87-44-5 / beta-Caryophyllene / Flavis No. 01.007;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b01007
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/65 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 79-92-5 / Camphene / Flavis No. 01.009;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b01009
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/65 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 1195-32-0 / 1-Isopropenyl-4-methylbenzene / Flavis No. 01.010;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b01010
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/65 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 13466-78-9 / delta-3-Carene / Flavis No. 01.029;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b01029
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/65 of 14 December 2016

- 2; b; natural or corresponding synthetic chemically defined flavourings;
  CAS No. 5989-27-5 / d-Limonene / Flavis No. 01.045;
  Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
  Replaced by 2b01045
  Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/65 of 14 December 2016

Correction in annex I

- CAS No. 6627-88-9 / 4-Allyl-2,6-dimethoxyphenol / Flavis No. 04.051 [All animal species with the exception of fish and poultry]

Correction in annex II

- CAS No. 6627-88-9 / 4-Allyl-2,6-dimethoxyphenol / Flavis No. 04.051 [Fish and poultry]

## **Appendix 3e**: List of modifications to the Register, editions 1-249

The Appendix 3e, list of modifications to the Register for versions 1 to 249 is now available on page Appendix 3e. The former appendixes 3a to 3d are deleted.

## **Appendix 4:** Further information

This Register is available at:
http://ec.europa.eu/food/safety/animal-feed/feed-additives/eu-register_en

Further information on the Community legislation on feed additives can be found in:
http://ec.europa.eu/food/safety/animal-feed/feed-additives_en

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# Annex I

## List of additives

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 401 | Sodium alginate [Fish; Pets and other non food producing animals (non-food fur animals)] | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Transitional measures in article 2 of COMMISSION IMPLEMENTING REGULATION (EU) 2018/1533 of 12 October 2018 | 07.11.05 |
| 1 | d | Stabilisers | 1d401 | Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish] | Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 | OJ L 257, 15.10.2018, p.13 | 04.11.2028 | 04.11.2028 | 16.10.18 |
| 1 | e | Thickeners | 1d401 | Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish] | Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 | OJ L 257, 15.10.2018, p.13 | 04.11.2028 | 04.11.2028 | 16.10.18 |
| 1 | f | Gelling agents | 1d401 | Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish] | Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 | OJ L 257, 15.10.2018, p.13 | 04.11.2028 | 04.11.2028 | 16.10.18 |
| 1 | g | Binders | 1d401 | Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish] | Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 | OJ L 257, 15.10.2018, p.13 | 04.11.2028 | 04.11.2028 | 16.10.18 |
| 1 | d | Stabilisers | 1d402 | Potassium alginate [Cats and dogs] | Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 | OJ L 257, 15.10.2018, p.13 | 04.11.2028 | 04.11.2028 | 16.10.18 |
| 1 | e | Thickeners | 1d402 | Potassium alginate [Cats and dogs] | Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 | OJ L 257, 15.10.2018, p.13 | 04.11.2028 | 04.11.2028 | 16.10.18 |
| 1 | f | Gelling agents | 1d402 | Potassium alginate [Cats and dogs] | Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 | OJ L 257, 15.10.2018, p.13 | 04.11.2028 | 04.11.2028 | 16.10.18 |
| 1 | g | Binders | 1d402 | Potassium alginate [Cats and dogs] | Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018 | OJ L 257, 15.10.2018, p.13 | 04.11.2028 | 04.11.2028 | 16.10.18 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 406 | Agar [Pets and other non food producing animals (non-food fur animals)] | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 407 | Carrageenan [Pets and other non food producing animals (non-food fur animals)] | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 410 | Locust bean gum (Carob gum) | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 412 | Guar gum | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 413 | Tragacanth | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 414 | Acacia (Gum arabic) | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 415 | Xanthan gum | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 433 | Polyoxyethylene (20)-sorbitan monooleate | Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) | OJ L 124, 18.05.1991, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 460 | Microcrystalline cellulose | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 461 | Methylcellulose | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 462 | Ethylcellulose | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 463 | Hydroxypropylcellulose | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 464 | Hydroxypropylmethylcellulose | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 466 | Carboxymethylcellulose (Sodium salt of carboxymethyl ether of cellulose) | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 484 | Glyceryl polyethyleneglycol ricinoleate | Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) | OJ L 124, 18.05.1991, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 487 | Polyethyleneglycol ester of fatty acids from soya oil [Calves] | NINETEENTH Commission Directive of 26 July 1977 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs | OJ L 207, 13.08.1977, p. 53 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 493 | Sorbitan monolaurate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Emulsifying and stabilizing agents, thickeners and gelling agents | E 499 | Cassia gum [Dogs; Cats] | COMMISSION DIRECTIVE 93/55/EEC of 25 June 1993 amending Council Directive 70/524/EEC concerning additives in feedingstuffs | OJ L 206, 18.08.1993, p.11 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 535 | Sodium Ferrocyanide | Reg. (EC) No 1810/2005 | OJ L 291, 05.11.2005, p. 5 | 25.11.2005 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.12.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 536 | Potassium Ferrocyanide | Reg. (EC) No 1810/2005 | OJ L 291, 05.11.2005, p. 5 | 25.11.2005 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.12.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 551a | Silicic acid, precipitated and dried | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 551b | Colloidal silica | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 551c | Kieselgur (diatomaceous earth, purified) | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 552 | Calcium silicate, synthetic | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 1 | | Binders, anti-caking agents and coagulants | E 554 | Sodium aluminosilicate, synthetic | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 559 | Kaolinitic clays, free of asbestos | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 560 | Natural mixtures of steatites and chlorite | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 561 | Vermiculite | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 562 | Sepiolite | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 563 | Sepiolitic clay | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 565 | Lignosulphonates | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 566 | Natrolite-phonolite | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 567 | Clinoptilolite of volcanic origin [Pigs; Poultry] | Reg. (EC) No 2148/2004 of 16 December 2004 / *Amended by* Reg. (EC) NO 1980/2005 of 05.12.2005 | OJ L 370, 17.12.2004, p. 24 / *Amended by* OJ L 318, 05.12.2005, p. 3 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.12.05 |
| 1 | | Binders, anti-caking agents and coagulants | E 599 | Perlite | Commission Regulation (EC) No 2439/1999 of 17 November 1999 | OJ L 297, 18.11.1999, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 1 | a | Preservatives | E 200 | Sorbic acid | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 202 | Potassium sorbate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 236 | Formic acid | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 237 | Sodium formate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | 1a0001 | *Lactobacillus fermentum* (NCIMB 41636), *Lactobacillus plantarum* (NCIMB 41638) and *Lactobacillus rhamnosus* (NCIMB 41640) [Dogs] | Commission Implementing Regulation (EU) 2017/455 of 15 March 2017 | OJ L 71, 15.03.2017, p. 15 | 05.04.2017 | 05.04.2027 | 20.03.17 |
| 1 | a | Preservatives | 1a237a | Potassium diformate | Commission Implementing Regulation (EU) No 333/2012 of 19 April 2012 | OJ L 108, 20.04.2012, p. 3 | 11.05.2012 | 11.05.2022 | 20.04.12 |
| 1 | a | Preservatives | E 238 | Calcium formate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | 1j514ii | Sodium bisulphate [All animal species other than cats and mink; Cats; Mink] | Commission Implementing Regulation (EU) 2015/1416 of 20 August 2015 | OJ L 220, 21.08.2015, p.11 | 10.09.2015 | 10.09.2025 | 21.08.15 |
| 1 | a | Preservatives | E 250 | Sodium nitrite [Dogs; Cats] | Commission Directive of 11 November 1985 amending Commission Directive 85/429/EEC, amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/520/EEC) | OJ L 323, 04.12.1985, p. 12 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 260 | Acetic acid | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 262 | Sodium diacetate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 1 | a | Preservatives | E 263 | Calcium acetate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 270 | Lactic acid | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 280 | Propionic acid | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 281 | Sodium propionate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 282 | Calcium propionate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 284 | Ammonium propionate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 295 | Ammonium formate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | E 296 | DL-Malic acid | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | 1a297 | Fumaric acid [Poultry and pigs; Young animals fed with milk replacers; Other animal species] | Commission Implementing Regulation (EU) No 1078/2013 of 31 October 2013 | OJ L 292, 01.11.2013, p.7 | 21.11.2013 | 21.11.2023 | 11.11.13 |
| 1 | a | Preservatives | E 327 | Calcium lactate | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 1 | a | Preservatives | E 330 | Citric acid | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | a | Preservatives | 1a338 | Orthophosphoric acid | Commission Implementing Regulation (EU) No 1055/2013 of 25 October 2013 | OJ L 288, 30.10.2013, p. 57 | 19.11.2013 | 19.11.2023 | 05.11.13 |
| 1 | a | Preservatives | 1a700 | Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg [Pigs; Poultry; Bovines; Sheep; Goats; Rabbits; Horses] | Commission Implementing Regulation (EU) No 159/2013 of 21 February 2013 | OJ L 49, 22.02.2013, p. 47 | 14.03.2013 | 14.03.2023 | 22.02.13 |
| 1 | b | Antioxidants | 3a300 | Ascorbic acid | Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015 | OJ L 174, 03.07.2015, p. 8 | 23.07.2015 | 23.07.2025 | 04.08.15 |
| 1 | b | Antioxidants | 1b301 | Sodium ascorbate | Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015 | OJ L 174, 03.07.2015, p. 8 | 23.07.2015 | 23.07.2025 | 04.08.15 |
| 1 | b | Antioxidants | 1b302 | Calcium ascorbate | Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015 | OJ L 174, 03.07.2015, p. 8 | 23.07.2015 | 23.07.2025 | 04.08.15 |
| 1 | b | Antioxidants | 1b304 | Ascorbyl palmitate | Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015 | OJ L 174, 03.07.2015, p. 8 | 23.07.2015 | 23.07.2025 | 04.08.15 |
| 1 | b | Antioxidants | 1b306(i) | Tocopherol extracts from vegetable oils | Commission Implementing Regulation (EU) 2015/1152 of 14 July 2015 | OJ L 187, 15.07.2015, p. 5 | 04.08.2015 | 04.08.2025 | 04.08.15 |
| 1 | b | Antioxidants | 1b306(ii) | Tocopherol- rich extracts from vegetable oils (delta rich) | Commission Implementing Regulation (EU) 2015/1152 of 14 July 2015 | OJ L 187, 15.07.2015, p. 5 | 04.08.2015 | 04.08.2025 | 04.08.15 |
| 1 | b | Antioxidants | 1b307 | Alpha-tocopherol | Commission Implementing Regulation (EU) 2015/1152 of 14 July 2015 | OJ L 187, 15.07.2015, p. 5 | 04.08.2015 | 04.08.2025 | 04.08.15 |
| 1 | b | | E 310 | Propyl gallate | Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) | OJ L 124, 18.05.1991, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | b | | E 320 | Butylated hydroxyanisole (BHA) [All species or categories of animals except dogs] | FIFTEENTH COMMISSION DIRECTIVE of 21June 1976 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) / Amended by Commission Regulation (EC) No 2316/98 of 26 October 1998 | OJ L 198, 23.07.1976, p. 10 / *amended by* OJ L 289, 28.10.1998, p. 4 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | b | | E 320 | Butylated hydroxyanisole (BHA) [Dogs] | Commission Regulation (EC) No 2316/98 of 26 October 1998 | OJ L 289, 28.10.1998, p. 4 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | b | | E 321 | Butylated hydroxytoluene (BHT) [All species or categories of animals except dogs] | FIFTEENTH COMMISSION DIRECTIVE of 21June 1976 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) / Amended by Commission Regulation (EC) No 2316/98 of 26 October 1998 | OJ L 198, 23.07.1976, p. 10 / *amended by* OJ L 289, 28.10.1998, p. 4 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 1 | b | | E 321 | Butylated hydroxytoluene (BHT) [Dogs] | Commission Regulation (EC) No 2316/98 of 26 October 1998 | OJ L 289, 28.10.1998, p. 4 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | b | | E 324 | Ethoxyquin [All species or categories of animals except dogs] | FIFTEENTH COMMISSION DIRECTIVE of 21June 1976 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) / Amended by Commission Regulation (EC) No 2316/98 of 26 October 1998 / **AUTHORISATION SUSPENDED** by Commission Implementing Regulation (EU) 2017/962 of 7 June 2017 / *Corrigendum* DE in OJ L 149 of 13.06.2017 | OJ L 198, 23.07.1976, p. 10 / *amended by* OJ L 289, 28.10.1998, p. 4 **AUTHORISATION SUSPENDED** by OJ L 145, 08.06.2017, p. 13 / *Corrigendum* DE *in* OJ L 149, 13.06.2017, p. 99 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/962 of 7 June 2017 | 07.11.05 |
| 1 | b | | E 324 | Ethoxyquin [Dogs] | Commission Regulation (EC) No 2316/98 of 26 October 1998 / **AUTHORISATION SUSPENDED** by Commission Implementing Regulation (EU) 2017/962 of 7 June 2017 / *Corrigendum* DE in OJ L 149 of 13.06.2017 | OJ L 289, 28.10.1998, p. 4 **AUTHORISATION SUSPENDED** by OJ L 145, 08.06.2017, p. 13 / *Corrigendum* DE *in* OJ L 149, 13.06.2017, p. 99 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2017/962 of 7 June 2017 | 07.11.05 |
| 1 | c | Emulsifiers | 1c322 | Lecithins [All species] | Commission Implementing Regulation (EU) 2017/1007 of 15 June 2017 / Amended by Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 | OJ L 153, 16.06.2017, p. 13 / Amended by OJ L 333, 15.12.2017, p. 17 | 06.07.2017 | 06.07.2027 / Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 | 21.06.17 |
| 1 | c | Emulsifiers | 1c322i | Lecithins liquid [All species] | Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 | OJ L 333, 15.12.2017, p. 17 | 04.01.2018 | 04.01.2028 | 30.01.18 |
| 1 | c | Emulsifiers | 1c322ii | Hydrolysed lecithins [All species] | Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 / Amended by Commission Implementing Regulation (EU) 2018/1980 of 13 December 2018 | OJ L 333, 15.12.2017, p. 17 / *amended by* OJ L 317, 14.12.2018, p. 12 | 04.01.2018 | 04.01.2028 / Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/1980 of 13 December 2018 | 30.01.18 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 1 | c | Emulsifiers | 1c322iii | Lecithins de-oiled [All species] | Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 / Amended by Commission Implementing Regulation (EU) 2018/1980 of 13 December 2018 | OJ L 333, 15.12.2017, p. 17 / *amended by* OJ L 317, 14.12.2018, p. 12 | 04.01.2018 | 04.01.2028 / Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/1980 of 13 December 2018 | 30.01.18 |
| 1 | g | Binders | 1g557 | Montmorillonite-Illite [All species] | Commission Implementing Regulation (EU) 2016/1964 of 9 November 2016 | OJ L 303, 10.11.2016, p. 7 | 30.11.2016 | 30.11.2026 | 10.11.16 |
| 1 | g | Binders | 1g568 | Clinoptilolite of sedimentary origin [All species] | Commission Implementing Regulation (EU) No 651/2013 of 9 July 2013 / Corrigendum DE in OJ DE L 228, 27.08.2013, p. 14 | OJ L 189, 10.07.2013, p. 1 / *Corrigendum DE in* OJ DE L 228, 27.08.2013, p. 14 | 30.07.2013 | 30.07.2023 | 15.07.13 |
| 1 | g | Anti-caking agents | 1g557 | Montmorillonite-Illite [All species] | Commission Implementing Regulation (EU) 2016/1964 of 9 November 2016 | OJ L 303, 10.11.2016, p. 7 | 30.11.2016 | 30.11.2026 | 10.11.16 |
| 1 | g | Anti-caking agents | 1g598 | Dolomite-Magnesite [Dairy cows and other ruminants for dairy production; Weaned piglets; Pigs for fattening] | Commission Implementing Regulation (EU) 2016/1964 of 9 November 2016 | OJ L 303, 10.11.2016, p. 7 | 30.11.2016 | 30.11.2026 | 10.11.16 |
| 1 | g | Anti-caking agents | 1g598 | Dolomite-Magnesite [All species with the exception of dairy cows and other ruminants for dairy production, weaned piglets and pigs for fattening] | Commission Implementing Regulation (EU) 2018/1564 of 17 October 2018 | OJ L 262, 19.10.2018, p. 20 | 09.11.2018 | 09.11.2028 | 19.10.18 |
| 1 | g | Anti-caking agents | 1g599 | Illite-montmorillonite-kaolinite [Chickens for fattening and minor poultry species for fattening; Cattle for fattening and minor ruminants for fattening; Pigs for fattening and weaned piglets; All other animal species and categories] | Commission Implementing Regulation (EU) 2019/10 of 3 January 2019 | OJ L 2, 04.01.2019, p. 13 | 24.01.2019 | 24.01.2029 | 24.01.19 |
| 1 | g | Binders | 1g599 | Illite-montmorillonite-kaolinite [Chickens for fattening and minor poultry species for fattening; Cattle for fattening and minor ruminants for fattening; Pigs for fattening and weaned piglets; All other animal species and categories] | Commission Implementing Regulation (EU) 2019/10 of 3 January 2019 | OJ L 2, 04.01.2019, p. 13 | 24.01.2019 | 24.01.2029 | 24.01.19 |
| 1 | g | Binders | 1m558i | Bentonite [All animal species] | Commission Implementing Regulation (EU) No 1060/2013 of 29 October 2013 / *Corrigendum* SL in OJ L10, 15.01.2014, p. 32 | OJ L 289, 31.10.2013, p. 33 / *Corrigendum* SL OJ L10, 15.01.2014, p. 32 | 19.11.2013 | 19.11.2023 | 05.11.13 |
| 1 | h | Radioactive caesium binders (137Cs and 134 Cs) | 1.1 | Ferric (III) ammonium hexacyanoferrate (II) [Ruminants (domestic and wild); Calves prior to the state of rumination; Lambs prior to the state of rumination; Kids prior to the state of rumination; Pigs (domestic and wild)] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 1 | h | Substances for control of radionuclide contamination ($^{134/137}$Cs) | 1m558i | Bentonite [All animal species] | Commission Implementing Regulation (EU) No 1060/2013 of 29 October 2013 / *Corrigendum* SL in OJ L10, 15.01.2014, p. 32 | OJ L 289, 31.10.2013, p. 33 / *Corrigendum* SL OJ L10, 15.01.2014, p. 32 | 19.11.2013 | 19.11.2023 | 05.11.13 |
| 1 | i | Anticaking agent | 1g568 | Clinoptilolite of sedimentary origin [All species] | Commission Implementing Regulation (EU) No 651/2013 of 9 July 2013 / *Corrigendum* DE in OJ DE L 228, 27.08.2013, p. 14 | OJ L 189, 10.07.2013, p. 1 / *Corrigendum DE in* OJ DE L 228, 27.08.2013, p. 14 | 30.07.2013 | 30.07.2023 | 15.07.13 |
| 1 | i | Anticaking agents | 1i534 | Iron sodium tartrates [All animal species] | Commission Implementing Regulation (EU) No 2016/896 of 8 June 2016 | OJ L 152, 09.06.2016, p. 3 | 29.06.2016 | 29.06.2026 | 09.06.16 |
| 1 | i | Anticaking agents | 1m558i | Bentonite [All animal species] | Commission Implementing Regulation (EU) No 1060/2013 of 29 October 2013 / *Corrigendum* SL in OJ L10, 15.01.2014, p. 32 | OJ L 289, 31.10.2013, p. 33 / *Corrigendum* SL OJ L10, 15.01.2014, p. 32 | 19.11.2013 | 19.11.2023 | 05.11.13 |
| 1 | j | Acidity regulators | 296 | DL- and L-Malic acid [Cats; Dogs] | Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) | OJ L 124, 18.05.1991, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | j | Acidity regulators | 1j524 | Sodium hydroxide [Cats; Dogs; ornamental fish] | Commission Implementing Regulation (EU) No 161/2013 of 21 February 2013 | OJ L 49, 22.02.2013, p. 52 | 14.03.2013 | 14.03.2023 | 22.02.13 |
| 1 | j | Acidity regulators | 1j514ii | Sodium bisulphate [All animal species other than cats, mink, pet and other non- food producing animals] | Commission Implementing Regulation (EU) 2015/1416 of 20 August 2015 | OJ L 220, 21.08.2015, p.11 | 10.09.2015 | 10.09.2025 | 21.08.15 |
| 1 | j | Acidity regulators | 1j514ii | Sodium bisulphate [Pets and other non-food producing animals other than cats and mink; Cats; Mink] | Commission Implementing Regulation (EU) No 136/2012 of 16 February 2012 / Amended by Commission Implementing Regulation (EU) 2015/1414 of 20 August 2015 | OJ L 46, 17.02.2012, p. 33 / Amended by OJ L 220, 21.08.2015, p. 3 | 08.03.2012 | 08.03.2022 | 17.02.12 |
| 1 | k | 1 – Enzymes | | Alpha-amylase EC 3.2.1.1 from *Aspergillus oryzae* CBS 585.94 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 1 – Enzymes | | Alpha-amylase EC 3.2.1.1 from *Aspergillus oryzae* DS114 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 1 – Enzymes | 1k101 | Alpha-amylase EC 3.2.1.1 from *Bacillus amyloliquefaciens* DSM 9553 | Commission Implementing Regulation (EU) 2019/454 of 20 March 2019 | OJ L 79, 21.03.2019, p. 4 | 11.04.2019 | 11.04.2029 | 21.03.19 |
| 1 | k | 1 – Enzymes | 1k102 | Alpha-amylase EC 3.2.1.1 from *Bacillus amyloliquefaciens* NCIMB 30251 | Commission Implementing Regulation (EU) 2019/454 of 20 March 2019 | OJ L 79, 21.03.2019, p. 4 | 11.04.2019 | 11.04.2029 | 21.03.19 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 1 | k | 1 – Enzymes | 1k103 | Alpha-amylase EC 3.2.1.1 from *Aspergillus oryzae*ATCC SD-5374 | Commission Implementing Regulation (EU) 2019/454 of 20 March 2019 | OJ L 79, 21.03.2019, p. 4 | 11.04.2019 | 11.04.2029 | 21.03.19 |
| 1 | k | 1 – Enzymes | 1k104 | Endo-1,4-beta-glucanase EC 3.2.1.4 from *Trichoderma reesei* ATCC PTA-10001 | Commission Implementing Regulation (EU) 2019/454 of 20 March 2019 | OJ L 79, 21.03.2019, p. 4 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 1 – Enzymes | | Alpha-amylase EC 3.2.1.1 from *Bacillus subtilis* DS098 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 1 – Enzymes | | Beta-glucanase EC 3.2.1.6 from *Aspergillus niger* MUCL 39199 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 1 – Enzymes | | Cellulase EC 3.2.1.4 from *Aspergillus niger* CBS 120604 294 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 1 – Enzymes | | Cellulase EC 3.2.1.4 from *Trichoderma longibrachiatum* ATCC PTA-10001 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 1 – Enzymes | | Cellulase EC 3.2.1.4 from *Trichoderma longibrachiatum* ATCC 74252 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 1 – Enzymes | | Xylanase EC 3.2.1.8 from *Trichoderma longibrachiatum* MUCL 39203 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 1 – Enzymes | | Xylanase EC 3.2.1.8 from *Trichoderma* longibrachiatum CBS 614.94 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 2 – Microorganisms | | *Enterococcus faecium* CCM 6226 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | Silage additives | 1k20602 | *Enterococcus faecium* DSM 22502 [All animal species] (formerly *E. faecium* NCIMB 11181; CCM 6226) | Commission Implementing Regulation (EU) No 304/2014 of 25 March 2014 | OJ L 90, 26.03.2014, p. 8 | 15.04.2014 | 15.04.2024 | 27.03.14 |

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| 1 | k | Silage additives | 1k20601 | *Enterococcus faecium* NCIMB 10415 [All animal species] | Commission Implementing Regulation (EU) No 304/2014 of 25 March 2014 | OJ L 90, 26.03.2014, p. 8 | 15.04.2014 | 15.04.2024 | 27.03.14 |
| 1 | k | 2 – Microorganisms | | *Enterococcus faecium* SF202 DSM 4788 ATCC 53519 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 2 – Microorganisms | | *Enterococcus faecium* SF301 DSM 4789 ATCC 55593 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | Silage additives | 1k20710 | *Lactobacillus brevis* (DSM 12835) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k20715 | *Lactobacillus brevis* (DSM 21982) | Commission Implementing Regulation (EU) No 838/2012 of 18 September 2012 | OJ L 252, 19.09.2012, p. 9 | 09.10.2012 | 09.10.2022 | 01.10.12 |
| 1 | k | Silage additives | 1k20744 | *Lactobacillus brevis* (DSM 23231) | Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014 / *Corrigendum* in OJ L 196 03.07.2014, p. 44 | OJ L 119, 22.04.2014, p. 40 / *Corrigendum* in OJ L 196, 03.07.2014, p. 44 | 13.05.2014 | 13.05.2024 | 08.05.14 |
| 1 | k | Silage additives | 1k20745 | *Lactobacillus brevis* DSMZ 16680 | Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014 / *Corrigendum* in OJ L 196 03.07.2014, p. 44 | OJ L 119, 22.04.2014, p. 40 / *Corrigendum* in OJ L 196, 03.07.2014, p. 44 | 13.05.2014 | 13.05.2024 | 08.05.14 |
| 1 | k | Silage additives | 1k2072 | *Lactobacillus buchneri* (DSM 22963) | Commission Implementing Regulation (EU) No 868/2011 of 31 August 2011 / *Corrigendum* PL in OJ L 263 PL, 07.10.2011, p. 22 | OJ L 226, 01.09.2011, p. 2 / *Corrigendum* PL OJ L 263 PL, 07.10.2011, p. 22 | 21.09.2011 | 21.09.2021 | 06.09.11 |
| 1 | k | Silage additives | 1k20733 | *Lactobacillus buchneri* (DSM 13573) | Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 | OJ L 330, 30.11.2012, p. 14 | 20.12.2012 | 20.12.2022 | 03.12.12 |
| 1 | k | Silage additives | 1k2075 | *Lactobacillus buchneri* (DSM 12856) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k20754 | *Lactobacillus plantarum* KKP/593/p *Lactobacillus plantarum* KKP/788/p *Lactobacillus buchneri* KKP/907/p [Cattle; Sheep] | Commission Implementing Regulation (EU) 2017/1907 of 18 October 2017 | OJ L 269, 19.10.2017, p. 36 | 08.11.2017 | 08.11.2027 | 09.11.17 |

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| 1 | k | 2 – Microorganisms | | *Lactobacillus buchneri* CCM 1819 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | Silage additives | 1k20757 | *Lactobacillus hilgardii* CNCM I-4785 and *Lactobacillus buchneri* CNCM I-4323/NCIMB 40788 | Commission Implementing Regulation (EU) 2019/764 of 14 May 2019 | OJ L 126, 15.05.2019, p. 1 | 04.06.2019 | 04.06.2029 | 15.05.19 |
| 1 | k | Silage additives | 1k2074 | *Lactobacillus buchneri* (DSM 16774) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k20738 | *Lactobacillus buchneri* DSM 22501 | Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 | OJ L 298, 8.11.2013, p. 29 | 28.11.2013 | 28.11.2023 | 07.11.13 |
| 1 | k | 2 – Microorganisms | | *Lactobacillus buchneri* KKP. 907 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | Silage additives | 1k20740 | *Lactobacillus buchneri* LN 40177 / ATCC PTA-6138 | Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 | OJ L 298, 8.11.2013, p. 29 | 28.11.2013 | 28.11.2023 | 07.11.13 |
| 1 | k | Silage additives | 1k20741 | *Lactobacillus buchneri* LN4637 / ATCC PTA-2494 | Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 | OJ L 298, 08.11.2013, p. 29 | 28.11.2013 | 28.11.2023 | 07.11.13 |
| 1 | k | Silage additives | 1k20734 | *Lactobacillus buchneri* NCIMB 30139 | Commission Implementing Regulation (EU) No 96/2013 of 1 February 2013 | OJ L 33, 02.02.2013, p. 21 | 22.02.2013 | 22.02.2023 | 04.02.13 |
| 1 | k | Silage additives | 1k20739 | *Lactobacillus buchneri* NCIMB 40788 / CNCM I-4323 | Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 | OJ L 298, 8.11.2013, p. 29 | 28.11.2013 | 28.11.2023 | 07.11.13 |
| 1 | k | Silage additives | 1k20747 | *Lactobacillus fermentum* NCIMB 30169 DSMZ 16680 | Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014 / *Corrigendum* in OJ L 196 03.07.2014, p. 44 | OJ L 119, 22.04.2014, p. 40 / *Corrigendum in* OJ L 196, 03.07.2014, p. 44 | 13.05.2014 | 13.05.2024 | 08.05.14 |
| 1 | k | 2 – Microorganisms | | *Lactobacillus casei* ATCC 7469 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | Silage additives | 1k20735 | *Lactobacillus casei* ATTC PTA 6135 | Commission Implementing Regulation (EU) No 96/2013 of 1 February 2013 | OJ L 33, 02.02.2013, p. 21 | 22.02.2013 | 22.02.2023 | 04.02.13 |
| 1 | k | Silage additives | 1k20742 | *Lactobacillus kefiri* DSM 19455 | Commission Implementing Regulation (EU) No 774/2013 of 12 August 2013 | OJ L 217, 13.08.2013, p. 30 | 02.09.2013 | 02.09.2023 | 13.08.13 |
| 1 | k | Silage additives | 1k20752 | *Lactobacillus diolivorans* DSM 32074 | Commission Implementing Regulation (EU) 2017/194 of 3 February 2017 | OJ L 31, 04.02.2017, p. 18 | 24.02.2017 | 24.02.2027 | 13.02.17 |

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| 1 | k | Silage additives | 1k20752 | *Lactobacillus diolivorans* DSM 32074 | Commission Implementing Regulation (EU) 2017/194 of 3 February 2017 | OJ L 31, 04.02.2017, p. 18 | 24.02.2017 | 24.02.2027 | 13.02.17 |
| 1 | k | Silage additives | 1k20753 | *Lactobacillus plantarum* DSM 29024 | Commission Implementing Regulation (EU) No 2017/912 of 29 May 2017 | OJ L 139, 30.05.2017, p. 30 | 19.06.2017 | 19.06.2027 | 30.05.17 |
| 1 | k | Silage additives | 1k20758 | *Lactobacillus buchneri* NRRL B-50733 | Commission Implementing Regulation (EU) No 2018/346 of 5 March 2018 | OJ L 67, 09.03.2018, p. 18 | 29.03.2018 | 29.03.2028 | 09.03.18 |
| 1 | k | Silage additives | 1k2076 | *Lactobacillus paracasei* (DSM 16245) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k2077 | *Lactobacillus paracasei* (DSM 16773) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k20748 | *Lactobacillus paracasei* NCIMB 30151 | Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014 | OJ L 232, 05.08.2014, p. 16 | 25.08.2014 | 25.08.2024 | 03.09.14 |
| 1 | k | Silage additives | 1k20729 | *Lactobacillus plantarum* (ATCC 55943) = *Lactobacillus plantarum* LP346 DSM 4787 ATCC 55943 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20730 | *Lactobacillus plantarum* (ATCC 55944) = *Lactobacillus plantarum* LP347 DSM 5284 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20725 | *Lactobacillus plantarum* (ATCC PTSA-6139) = *Lactobacillus plantarum* 24011 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20717 | *Lactobacillus plantarum* (CNCM I-3235) = *Lactobacillus plantarum* CNCM I-3235 / ATCC 8014 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20722 | *Lactobacillus plantarum* (CNCM MA 18/5U) = *Lactobacillus plantarum* DSM 11672 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k2078 | *Lactobacillus plantarum* (DSM 12836) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k2079 | *Lactobacillus plantarum* (DSM 12837) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k20719 | *Lactobacillus plantarum* (DSM 16565) | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20720 | *Lactobacillus plantarum* (DSM 16568) | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20726 | *Lactobacillus plantarum* (DSM 18112) = *Lactobacillus plantarum* LP286 DSM 4784 ATCC 53187 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |

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| 1 | k | Silage additives | 1k20727 | *Lactobacillus plantarum* (DSM 18113) = *Lactobacillus plantarum* LP318 DSM 4785 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20728 | *Lactobacillus plantarum* (DSM 18114) = *Lactobacillus plantarum* LP319 DSM 4786 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20718 | *Lactobacillus plantarum* (DSM 19457) = *Lactobacillus plantarum* IFA 96 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k2071 | *Lactobacillus plantarum* (DSM 21762) | Commission Implementing Regulation (EU) No 868/2011 of 31 August 2011 | OJ L 226, 01.09.2011, p. 2 | 21.09.2011 | 21.09.2021 | 06.09.11 |
| 1 | k | Silage additives | 1k20716 | *Lactobacillus plantarum* (DSM 23375) = *Lactobacillus plantarum* AK 5106 DSM 20174 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20750 | *Lactobacillus plantarum* (DSM 29025) | Commission Implementing Regulation (EU) 2016/2150 of 7 December 2016 | OJ L 333, 08.12.2016, p. 44 | 28.12.2016 | 28.12.2026 | 13.12.16 |
| 1 | k | Silage additives | 1k20731 | *Lactobacillus plantarum* (DSM 3676) | Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 | OJ L 330, 30.11.2012, p. 14 | 20.12.2012 | 20.12.2022 | 03.12.12 |
| 1 | k | Silage additives | 1k20732 | *Lactobacillus plantarum* (DSM 3677) | Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 | OJ L 330, 30.11.2012, p. 14 | 20.12.2012 | 20.12.2022 | 03.12.12 |
| 1 | k | Silage additives | 1k20812 | *Lactobacillus plantarum* (DSM 8862 and DSM 8866) | Commission Implementing Regulation (EU) No 93/2012 of 3 February 2012 | OJ L 33, 04.02.2012, p. 1 | 24.02.2012 | 24.02.2022 | 06.22.12 |
| 1 | k | Silage additives | 1k20721 | *Lactobacillus plantarum* (LMG-21295) = *Lactobacillus plantarum* MiLAB 393 | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20736 | *Lactobacillus plantarum* (NCIMB 30083) | Commission Implementing Regulation (EU) No 308/2013 of 3 April 2013 | OJ L 94, 04.04.2013, p. 1 | 24.04.2013 | 24.04.2023 | 08.04.13 |
| 1 | k | Silage additives | 1k20737 | *Lactobacillus plantarum* (NCIMB 30084) | Commission Implementing Regulation (EU) No 308/2013 of 3 April 2013 | OJ L 94, 04.04.2013, p. 1 | 24.04.2013 | 24.04.2023 | 08.04.13 |
| 1 | k | Silage additives | 1k20723 | *Lactobacillus plantarum* (NCIMB 30094) | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | Silage additives | 1k20714 | *Lactobacillus plantarum* (NCIMB 30148) | Commission Implementing Regulation (EU) No 841/2012 of 18 September 2012 | OJ L 252, 19.09.2012, p. 17 | 19.11.2012 | 19.11.2022 | 01.10.12 |
| 1 | k | Silage additives | 1k2073 | *Lactobacillus plantarum* (NCIMB 30236) | Commission Implementing Regulation (EU) No 1111/2011 of 3 November 2011 | OJ L 287, 04.11.2011, p. 30 | 24.11.2011 | 24.11.2021 | 14.11.11 |
| 1 | k | Silage additives | 1k20711 | *Lactobacillus rhamnosus* (NCIMB 30121) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k20713 | *Lactobacillus plantarum* (NCIMB 41028) | Commission Implementing Regulation (EU) No 841/2012 of 18 September 2012 | OJ L 252, 19.09.2012, p. 17 | 19.11.2012 | 19.11.2022 | 01.10.12 |
| 1 | k | Silage additives | 1k20751 | *Lactobacillus plantarum* (NCIMB 42150) | Commission Implementing Regulation (EU) 2016/2150 of 7 December 2016 | OJ L 333, 08.12.2016, p. 44 | 28.12.2016 | 28.12.2026 | 13.12.16 |

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| 1 | k | Silage additives | 1k20724 | *Lactobacillus plantarum* (VTT E-78076) | Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 | OJ L 314, 14.11.2012, p. 15 | 04.12.2012 | 04.12.2022 | 15.11.12 |
| 1 | k | 2 – Microorganisms | | *Lactobacillus plantarum* C KKP/788/p | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | Silage additives | 1k20746 | *Lactobacillus plantarum* CECT 4528 | Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014 / *Corrigendum* in OJ L 196 03.07.2014, p. 44 | OJ L 119, 22.04.2014, p. 40 / *Corrigendum* in OJ L 196, 03.07.2014, p. 44 | 13.05.2014 | 13.05.2024 | 08.05.14 |
| 1 | k | Silage additives | 1k20749 | *Lactobacillus plantarum* DSMZ 16627 | Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014 | OJ L 232, 05.08.2014, p. 16 | 25.08.2014 | 25.08.2024 | 03.09.14 |
| 1 | k | 2 – Microorganisms | | *Lactobacillus plantarum* K KKP/593/p | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 2 – Microorganisms | | *Lactobacillus plantarum* LP287 DSM 5257 ATCC 55058 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 2 – Microorganisms | | *Lactobacillus plantarum* LP329 DSM 5258 ATCC 55942 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | Silage additives | 1k20743 | *Lactobacillus plantarum* NCIMB 40027 | Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 | OJ L 298, 8.11.2013, p. 29 | 28.11.2013 | 28.11.2023 | 07.11.13 |
| 1 | k | Silage additives | 1k20755 | *Lactobacillus casei* DSM 28872 | Commission Implementing Regulation (EU) 2017/1903 of 18 October 2017 | OJ L 269, 19.10.2017, p. 22 | 08.11.2017 | 08.11.2027 | 09.11.17 |
| 1 | k | Silage additives | 1k20756 | *Lactobacillus rhamnosus* DSM 29226 | Commission Implementing Regulation (EU) 2017/1903 of 18 October 2017 | OJ L 269, 19.10.2017, p. 22 | 08.11.2017 | 08.11.2027 | 09.11.17 |
| 1 | k | Silage additives | 1k2081 | *Lactococcus lactis* (DSM 11037) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k2083 | *Lactococcus lactis* (NCIMB 30117) (= CCM 4754, NCIMB 30117) | Commission Implementing Regulation (EU) No 227/2012 of 15 March 2012 / *Corrigendum* PL in OJ L 209, PL 04.08.2012 p. 18 | OJ L 77, 16.03.2012, p. 8 / Corrigendum PL in OJ L 209, PL 04.08.2012 p. 18 | 05.04.2012 | 05.04.2022 | 20.03.12 |

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| 1 | k | Silage additives | 1k2082 | *Lactococcus lactis* (NCIMB 30160) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k2104 | *Pediococcus acidilactici* (CNCM MA 18/5M) (DSM 11673) | Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 | OJ L 330, 30.11.2012, p. 14 | 20.12.2012 | 20.12.2022 | 03.12.12 |
| 1 | k | Silage additives | 1k2102 | *Pediococcus acidilactici* (DSM 16243) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k21009 | *Pediococcus acidilactici* CNCM I-3237 [All animal species] | Commission Implementing Regulation (EU) No 304/2014 of 25 March 2014 | OJ L 90, 26.03.2014, p. 8 | 15.04.2014 | 15.04.2024 | 27.03.14 |
| 1 | k | Silage additives | 1k21013 | *Pediococcus acidilactici* NCIMB 30005 | Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014 | OJ L 232, 05.08.2014, p. 16 | 25.08.2014 | 25.08.2024 | 03.09.14 |
| 1 | k | Silage additives | 1k21014 | *Pediococcus parvulus* DSM 28875 | Commission Implementing Regulation (EU) 2017/1903 of 18 October 2017 | OJ L 269, 19.10.2017, p. 22 | 08.11.2017 | 08.11.2027 | 09.11.17 |
| 1 | k | Silage additives | 1k2103 | *Pediococcus pentosaceus* (DSM 12834) | Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 | OJ L 322, 06.12.2011, p. 3 | 26.12.2011 | 26.12.2021 | 06.12.11 |
| 1 | k | Silage additives | 1k2105 | *Pediococcus pentosaceus* (DSM 23376) = *Pediococcus pentosaceus* NCIMB 30171 | Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 | OJ L 330, 30.11.2012, p. 14 | 20.12.2012 | 20.12.2022 | 03.12.12 |
| 1 | k | Silage additives | 1k2107 | *Pediococcus pentosaceus* (NCIMB 30168) | Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 | OJ L 330, 30.11.2012, p. 14 | 20.12.2012 | 20.12.2022 | 03.12.12 |
| 1 | k | Silage additives | 1k1009 | *Pediococcus pentosaceus* DSM 14021 | Commission Implementing Regulation (EU) No 84/2014 of 30 January 2014 | OJ L 208, 31.01.2014, p. 30 | 20.02.2014 | 20.02.2024 | 03.02.14 |
| 1 | k | Silage additives | 1k2101 | *Pediococcus pentosaceus* DSM 16244 | Reg. (EU) No 514/2010 of 15 June 2010 | OJ L 150, 16.06.2010, p. 42 | 06.07.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.06.10 |
| 1 | k | Silage additives | 1k1010 | *Pediococcus pentosaceus* DSM 23688 *(Formerly Pediococcus acidilactici* 33-11 NCIMB 30085) | Commission Implementing Regulation (EU) No 84/2014 of 30 January 2014 | OJ L 208, 31.01.2014, p. 30 | 20.02.2014 | 20.02.2024 | 03.02.14 |
| 1 | k | Silage additives | 1k1011 | *Pediococcus pentosaceus* DSM 23689 *(Formerly Pediococcus acidilactici* 36-05 NCIMB 30086) | Commission Implementing Regulation (EU) No 84/2014 of 30 January 2014 | OJ L 208, 31.01.2014, p. 30 | 20.02.2014 | 20.02.2024 | 03.02.14 |
| 1 | k | Silage additives | 1k2106 | *Pediococcus pentosaceus* NCIMB 12455 | Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 | OJ L 330, 30.11.2012, p. 14 | 20.12.2012 | 20.12.2022 | 03.12.12 |
| 1 | k | Silage additives | 1k21015 | *Pediococcus pentosaceus* DSM 32291 | Commission Implementing Regulation (EU) No 2018/1543 of 15 October 2018 | OJ L 259, 16.10.2018, p. 22 | 05.11.2018 | 05.11.2028 | 16.10.18 |
| 1 | k | Silage additives | 1k21008 | Preparation of *Lactobacillus plantarum* NCIMB 30238 and *Pediococcus pentosaceus* NCIMB 30237 | Commission Implementing Regulation (EU) 2015/1489 of 3 September 2015 | OJ L 231, 04.09.2015, p. 1 | 24.09.2015 | 24.09.2025 | 04.09.15 |

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| 1 | k | Silage additives | 1k2111 | *Propionibacterium acidipropionici* CNCM MA 26/4U | Commission Implementing Regulation (EU) No 990/2012 of 25 October 2012 | OJ L 297, 26.10.2012, p. 15 | 15.10.2012 | 15.10.2022 | 26.10.12 |
| 1 | k | 2 – Microorganisms | | *Saccharomyces cerevisiae* IFO 0203 | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | Silage additives | 1k202 | Potassium sorbate | Commission Implementing Regulation (EU) 2016/2023 of 18 November 2016 | OJ L 313, 19.11.2016, p. 14 | 09.12.2016 | 09.12.2026 | 01.12.16 |
| 1 | k | Silage additives | 1k236 | Formic acid | Commission Implementing Regulation (EU) 2016/2023 of 18 November 2016 | OJ L 313, 19.11.2016, p. 14 | 09.12.2016 | 09.12.2026 | 01.12.16 |
| 1 | k | Silage additives | 1k237 | Sodium formate | Commission Implementing Regulation (EU) 2016/2023 of 18 November 2016 | OJ L 313, 19.11.2016, p. 14 | 09.12.2016 | 09.12.2026 | 01.12.16 |
| 1 | k | Silage additives | 1k280 | Propionic acid [Ruminants; pigs; poultry] | Commission Implementing Regulation (EU) No 1222/2013 of 29 November 2013 | OJ L 320, 30.11.2013, p. 16 | 20.12.2013 | 20.12.2023 | 02.12.13 |
| 1 | k | Silage additives | 1k280 | Propionic acid [All animal species other than ruminants, pigs and poultry] | Commission Implementing Regulation (EU) No 305/2014 of 25 March 2014 | OJ L 90, 26.03.2014, p. 12 | 15.04.2014 | 15.04.2024 | 27.03.14 |
| 1 | k | Silage additives | 1k281 | Sodium propionate [Ruminants; pigs; poultry] | Commission Implementing Regulation (EU) No 1222/2013 of 29 November 2013 | OJ L 320, 30.11.2013, p. 16 | 20.12.2013 | 20.12.2023 | 02.12.13 |
| 1 | k | Silage additives | 1k281 | Sodium propionate [All animal species other than ruminants, pigs and poultry] | Commission Implementing Regulation (EU) No 305/2014 of 25 March 2014 | OJ L 90, 26.03.2014, p. 12 | 15.04.2014 | 15.04.2024 | 27.03.14 |
| 1 | k | Silage additives | 1k284 | Ammonium propionate [Ruminants; pigs; poultry] | Commission Implementing Regulation (EU) No 1222/2013 of 29 November 2013 | OJ L 320, 30.11.2013, p. 16 | 20.12.2013 | 20.12.2023 | 02.12.13 |
| 1 | k | Silage additives | 1k284 | Ammonium propionate [All animal species other than ruminants, pigs and poultry] | Commission Implementing Regulation (EU) No 305/2014 of 25 March 2014 | OJ L 90, 26.03.2014, p. 12 | 15.04.2014 | 15.04.2024 | 27.03.14 |
| 1 | k | Silage additives | 1k301 | Sodium benzoate | Commission Implementing Regulation (EU) 2016/2023 of 18 November 2016 | OJ L 313, 19.11.2016, p. 14 | 09.12.2016 | 09.12.2026 | 01.12.16 |
| 1 | k | 3 - Substances | | Hexamethylene tetramine [Bovines; Ovines; Pigs; Poultry; Rabbits; Horses; Goats] | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | k | 3 - Substances | E 250 | Sodium nitrite | Reg. (EC) 1831/2003 | OJ L 268, 18.10.2003, p. 29 | 07.11.2005 | Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 1 | m | Substances for the reduction of the contamination of feed by mycotoxins (trichothecenescarbonate) | 1m01 | Micro-organism strain DSM 11798 of the *Coriobacteriaceae* family [Pigs] | Commission Implementing Regulation (EU) No 1016/2013 of 23 October 2013 / Amended by Commission Implementing Regulation (EU) No 2017/930 of 31 May 2017 | OJ L 282, 24.10.2013, p. 36 / Amended by OJ L 141, 01.06.2017, p. 6 | 13.11.2013 | 13.11.2023 | 05.11.13 |

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| 1 | m | Substances for the reduction of the contamination of feed by mycotoxins (trichothecenes) | 1m01 | Micro-organism strain DSM 11798 of the *Coriobacteriaceae* family [All avian species] | Commission Implementing Regulation (EU) No 2017/930 of 31 May 2017 | OJ L 141, 01.06.2017, p. 6 | 21.06.2017 | 21.06.2027 | 07.06.17 |
| 1 | m | Substances for the reduction of the contamination of feed by mycotoxins (fumonisins) | 1m03 | Fumonisin esterase EC 3.1.1.87 produced by *Komagataella pastoris* DSM 26643 [Pigs] | Commission Implementing Regulation (EU) No 1115/2014 of 21 October 2014 | OJ L 302, 22.10.2014, p. 51 | 11.11.2014 | 11.11.2024 | 24.10.14 |
| 1 | m | Substances for the reduction of the contamination of feed by mycotoxins (fumonisins) | 1m03 | Fumonisin esterase EC 3.1.1.87 produced by *Komagataella pastoris* DSM 26643 [All avian species] | Commission Implementing Regulation (EU) No 2017/913 of 29 May 2017 | OJ L 139, 30.05.2017, p. 33 | 19.06.2017 | 19.06.2027 | 30.05.17 |
| 1 | m | Substances for the reduction of the contamination of feed by mycotoxins (fumonisins) | 1m03i | Fumonisin esterase EC 3.1.1.87 produced by *Komagataella phaffii* (DSM 32159) [All pigs; All poultry species] | Commission Implementing Regulation (EU) No 2018/1568 of 18 October 2018 | OJ L 262, 19.10.2018, p. 34 | 08.11.2018 | 08.11.2028 | 19.10.18 |
| 1 | m | Substances for reduction of the contamination of feed by mycotoxins (aflatoxin B1) | 1m558 | Bentonite [Ruminants, Poultry, Pigs] | Commission Implementing Regulation (EU) No 1060/2013 of 29 October 2013 / *Corrigendum* SL in OJ L10, 15.01.2014, p. 32 | OJ L 289, 31.10.2013, p. 33 / *Corrigendum* SL OJ L10, 15.01.2014, p. 32 | 19.11.2013 | 19.11.2023 | 05.11.13 |
| 1 | n | Hygiene condition enhancers | 1k236 | Formic acid | Commission Implementing Regulation (EU) 2017/940 of 1 June 2017 | OJ L 142, 02.06.2017, p. 40 | 21.06.2017 | 21.06.2027 | 07.06.17 |
| 2 | a | Carotenoids and xanthophylls | E 160c | Capsanthin [Poultry with the exception of turkeys] | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Carotenoids and xanthophylls | E 160f | Ethyl ester of beta-apo-8'-carotenoic acid [Poultry] | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Carotenoids and xanthophylls | E 161b | Lutein [Poultry] | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Carotenoids and xanthophylls | E 161h | Zeaxanthin [Poultry] | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs ( 85 /429/ EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Carotenoids and xanthophylls | E 161i | Citranaxanthin [Laying hens] | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | a | Carotenoids and xanthophylls | E 161y | Astaxanthin-rich *Phaffia rhodozyma* (ATCC SD-5340) [Salmon; Trout] | Reg. (EC) No 828/2007 of 13 July 2007 / *Corrigendum CS* 07.09.2007 | OJ L 184, 16.07.2007, p. 12 / *Corrigendum CS* OJ L 235 CS, 07.09.07 p. 8 | 03.08.2007 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.07.07 |
| 2 | a | Other colourants | E 102 | Tartrazine as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 110 | Sunset yellow FCF as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 120 | Carmine (Carmine Lake WSP 50%) as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 124 | Ponceau 4 R as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | a | Other colourants | E 127 | Erythrosine as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats; Reptiles] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 129 | Allura Red as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 132 | Indigotine as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 133 | Brilliant Blue FCF as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 141 | Chlorophyllin Copper Complex as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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|---|---|---|---|---|---|---|---|---|---|
| 2 | a | Other colourants | E 150b, E 150c and E 150d | Caramel colours as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats; All species or categories of animals with the exception of dogs and cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 153 | Carbon black as colouring agents authorised for colouring foodstuffs by Community rules [All species] | Commission Directive 94/17/EC of 22 April 1994 amending Council Directive 70/524/EEC concerning additives in feedingstuffs | OJ L 105, 26.04. 94, p. 19 | | Subject to the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003 | 07.11.05 |
| 2 | a | Other colourants | E 160b | Bixin as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 171 | Titanium dioxide (anatase & rutile structure) as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats; All species or categories of animals with the exception of dogs and cats] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Other colourants | E 172 | Iron Oxide Red, Black & Yellow as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats; All species or categories of animals with the exception of dogs, cats and horses] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a | Colorants, substances that add or restore colour in feedingstuffs | 2a104 | Quinoline Yellow [Non food-producing animals] | Commission Implementing Regulation (EU) 2015/244 of 16 February 2015 | OJ L 41, 17.02.2015, p. 8 | 09.03.2015 | 09.03.2025 | 19.02.15 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | a | Colourants, substances that add or restore colour in feedingstuffs | 2a122 | Azorubine or carmoisine (Disodium 4-hydroxy-3- (4-sulfonato-1-naphthylazo) naphthalene-1-sulfonate) [Cats and dogs] | Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 | OJ L 257, 25.09.2012, p. 3 | 25.11.2012 | 25.11.2022 | 01.10.12 |
| 2 | a | Colorants, substances that add or restore colour in feedingstuffs | 2a131 | Patent blue V [Non-food producing animals] | Commission Implementing Regulation (EU) No 643/2013 of 4 July 2013 | OJ L 186 5.07.2013, p. 7 | 25.07.2013 | 25.07.2023 | 08.08.13 |
| 2 | a (ii) | Substances which, when fed to animals, add colours to food of animal origin | 2a(ii) 165 | Astaxanthin dimethyldisuccinate [Salmon; Trout] | Reg. (EC) No 393/2008 of 30 April 2008) | OJ L 117, 01.05.2008, p. 20 | 21.05.2008 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 05.05.08 |
| 2 | a (ii) | Substances which, when fed to animals, add colours to food of animal origin | 2a(ii)167 | Red carotenoid rich *Paracoccus carotinifaciens* [Salmon; Trout] | Reg. (EC) No 721/2008 of 25 July 2008 / *Amended by* Reg. (EU) No 334/2010 of 22 April 2010 | OJ L 193, 26.07.2008, p. 23 / *Amended by* OJ L 1021, 23.04.2010, p. 21 | 15.08.2008 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 05.08.08 |
| 2 | a (ii) | Substances which, when fed to animals, add colours to food of animal origin | 2a161g | Canthaxanthin [Chickens for fattening and minor poultry species for fattening; Laying poultry and poultry reared for laying] | Commission Implementing Regulation (EU) 2015/1486 of 2 September 2015 | OJ L 229, 03.09.2015, p. 5 | 23.09.2015 | 23.09.2025 | 03.09.15 |
| 2 | a (ii) | Colourants (ii) substances which, when fed to animals, add colours to food of animal origin | 2a161j | Astaxanthin [Fish, Crustacean] | Commission Implementing Regulation (EU) 2015/1415 of 20 August 2015 | OJ L 220, 21.08.2015, p.7 | 10.09.2015 | 10.09.2025 | 21.08.15 |
| 2 | a (iii) | Other colourants | E 153 | Carbon black [Ornamental fish] | Commission Directive 94/17/EC of 22 April 1994 amending Council Directive 70/524/EEC concerning additives in feedingstuffs/ Corrected by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018 | OJ L 105, 26.04. 94, p. 19 / Corrected by OJ L 68, 12.03.2018, p. 3 | | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a (iii) | Colourants (iii) substances which favourably affect the colour of ornamental fish or birds | 2a161j | Astaxanthin [Ornamental Fish] | Commission Implementing Regulation (EU) 2015/1415 of 20 August 2015 | OJ L 220, 21.08.2015, p.7 | 10.09.2015 | 10.09.2025 | 21.08.15 |
| 2 | a (iii) | Other colourants | E 102 | Tartrazine [Grain-eating ornamental birds; Small rodents; Ornamental fish] | Reg. (EC) No 358/2005 | OJ L 57, 03.03.2005, p. 3 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a (iii) | Other colourants | E 110 | Sunset yellow FCF [Grain-eating ornamental birds; Small rodents; Ornamental fish] | Reg. (EC) No 358/2005 | OJ L 57, 03.03.2005, p. 3 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a (iii) | Other colourants | E 124 | Ponceau 4 R [Ornamental fish] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | a (iii) | Other colourants | E 127 | Erythrosine [Ornamental fish] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a (iii) | Other colourants | E 132 | Indigotine [Ornamental fish] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a (iii) | Other colourants | E 160a | Beta-carotene [Canaries] | Reg. (EC) No 880/2004 | OJ L 162, 30.04.2004, p. 68 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | a (iii) | Other colourants | E 172 | Iron oxide, red [Ornemental fish] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | 3-Methylcyclopentan-1,2-dione / Flavis No. 07.056 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 100-06-1 / 4-Methoxyacetophenone / Flavis No. 07.038 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1003-04-9 / 4,5-Dihydrothiophen-3(2H)-one / Flavis No. 15.012 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Flavouring compounds | 2b09505 | Hex-3-enyl isovalerate / CAS No. 10032-11-8 / Flavis No. 09.505 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 10032-11-8 / Hex-3-enyl isovalerate / Flavis No. 09.505 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 100-53-8 / Phenylmethanethiol / Flavis No. 12.005 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 100-86-7 / 2-Methyl-1-phenylpropan-2-ol / Flavis No. 02.035 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 101-39-3 / alpha-Methylcinnamaldehyde / Flavis No. 05.050 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 101-41-7 / Methyl phenylacetate / Flavis No. 09.783 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 101-84-8 / Diphenyl ether / Flavis No. 04.035 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 101-86-0 / alpha-Hexylcinnamaldehyde / Flavis No. 05.041 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 101-97-3 / Ethyl phenylacetate / Flavis No. 09.784 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 102-13-6 / Isobutyl phenylacetate / Flavis No. 09.788 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 102-19-2 / 3-Methylbutyl phenylacetate / Flavis No. 09.789 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 102-20-5 / Phenethyl phenylacetate / Flavis No. 09.707 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-26-4 / Methyl cinnamate / Flavis No. 09.740 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-36-6 / Ethyl cinnamate / Flavis No. 09.730 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-41-3 / Benzyl cinnamate / Flavis No. 09.738 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-45-7 / Phenethyl acetate / Flavis No. 09.031 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-52-6 / Phenethyl butyrate / Flavis No. 09.168 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-54-8 / Cinnamyl acetate / Flavis No. 09.018 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-58-2 / 3-Phenylpropyl isobutyrate / Flavis No. 09.428 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-59-3 / Cinnamyl isobutyrate / Flavis No. 09.470 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-61-7 / Cinnamyl butyrate / Flavis No. 09.053 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-82-2 / Phenylacetic acid / Flavis No. 08.038 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 103-95-7 / 3-(p-Cumenyl)-2-methylpropionaldehyde / Flavis No. 05.045 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07029 | 4-(4-Methoxyphenyl)butan-2-one / CAS No. 104-20-1 / Flavis No. 07.029 | Commission Implementing Regulation (EU) 2018/244 of 15 February 2018 | OJ L 53, 23.02.2018, p. 81 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 104-20-1 / 4-(4-Methoxyphenyl)butan-2-one / Flavis No. 07.029 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 3 of Commission Implementing Regulation (EU) 2018/244 of 15 February 2018 | 07.11.05 |

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|---|---|---|---|---|---|---|---|---|---|
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 104-21-2 / p-Anisyl acetate / Flavis No. 09.019 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 104-50-7 / Octano-1,4-lactone / Flavis No. 10.022 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 104-53-0 / 3-Phenylpropanal / Flavis No. 05.080 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 104-54-1 / Cinnamyl alcohol / Flavis No. 02.017 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 104-55-2 / Cinnamaldehyde / Flavis No. 05.014 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 104-61-0 / Nonano-1,4-lactone / Flavis No. 10.001 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 104-67-6 / Undecano-1,4-lactone / Flavis No. 10.002 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 105-13-5 / p-Anisyl alcohol / Flavis No. 02.128 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 105-54-4 / Ethyl butyrate / Flavis No. 09.039 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09078 | Citronellyl formate / CAS No. 105-85-1 / Flavis No. 09.078 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 105-85-1 / Citronellyl formate / Flavis No. 09.078 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 105-86-2 / Geranyl formate / Flavis No. 09.076 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 105-87-3 / Geranyl acetate / Flavis No. 09.011 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 105-90-8 / Geranyl propionate / Flavis No. 09.128 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 105-91-9 / Neryl propionate / Flavis No. 09.169 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-02-5 / Pentadecano-1,15-lactone / Flavis No. 10.004 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b02011 | Citronellol / CAS No. 106-22-9 / Flavis No. 02.011 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-22-9 / Citronellol / Flavis No. 02.011 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b05021 | Citronellal / CAS No. 106-23-0 / Flavis No. 05.021 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-23-0 / Citronellal / Flavis No. 05.021 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-24-1 / Geraniol / Flavis No. 02.012 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-25-2 / Nerol / Flavis No. 02.058 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-27-4 / 3-Methylbutyl butyrate / Flavis No. 09.055 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-29-6 / Geranyl butyrate / Flavis No. 09.048 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-30-9 / Ethyl heptanoate / Flavis No. 09.093 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-44-5 / 4-Methylphenol / Flavis No. 04.028 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-68-3 / Octan-3-one / Flavis No. 07.062 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b05074 | 2,6-Dimethylhept-5-enal / CAS No. 106-72-9 /Flavis No. 05.074 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 106-72-9 / 2,6-Dimethylhept-5-enal / Flavis No. 05.074 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14047 | 2-Acetylpyrrole / CAS No. 1072-83-9 / Flavis No. 14.047 | Commission Implementing Regulation (EU) 2018/241 of 15 February 2018 | OJ L 53, 23.02.2018, p. 27 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1072-83-9 / 2-Acetylpyrrole / Flavis No. 14.047 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/241 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b16056 | Taurine / CAS No. 107-35-7 / Flavis No. 16.056 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 107-35-7 / Taurine / Flavis No. 16.056 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b04043 | 1-Isopropyl-2-methoxy-4-methylbenzene / CAS No. 1076-56-8 / Flavis No. 04.043 | Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | OJ L 53, 23.02.2018, p. 14 | 15.03.2018 | 15.03.2028 | 23.02.18 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1076-56-8 / 1-Isopropyl-2-methoxy-4-methylbenzene / Flavis No. 04.043 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b11001 | 3-Methylbutylamine / CAS No. 107-85-7 / Flavis No. 11.001 [All species with the exception of laying hens] | Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | OJ L 53, 23.02.2018, p. 14 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 107-85-7 / 3-Methylbutylamine / Flavis No. 11.001 [All species with the exception of laying hens] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 107-92-6 / Butyric acid / Flavis No. 08.005 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17001 | beta-Alanine / CAS No. 107-95-9 / Flavis No. 17.001 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 107-95-9 / beta-Alanine / Flavis No. 17.001 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 108-39-4 / 3-Methylphenol / Flavis No. 04.026 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 108-46-3 / Benzene-1,3-diol / Flavis No. 04.047 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 108-48-5 / 2,6-Dimethylpyridine / Flavis No. 14.065 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 108-50-9 / 2,6-Dimethylpyrazine / Flavis No. 14.021 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 108-64-5 / Ethyl isovalerate / Flavis No. 09.447 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 108-95-2 / Phenol / Flavis No. 04.041 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 108-99-6 / picoline beta (3-methylpyridine) / Flavis No. 14.135 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 109-08-0 / 2-Methylpyrazine / Flavis No. 14.027 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 109-73-9 / Butylamine / Flavis No. 11.003 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 110-41-8 / 2-Methylundecanal / Flavis No. 05.077 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 110-42-9 / Methyl decanoate / Flavis No. 09.251 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 110-93-0 / 6-Methylhept-5-en-2-one / Flavis No. 07.015 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 111-13-7 / Octan-2-one / Flavis No. 07.019 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 111-62-6 / Ethyl oleate / Flavis No. 09.192 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 112-12-9 / Undecan-2-one / Flavis No. 07.016 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1122-62-9 / 2-Acetylpyridine / Flavis No. 14.038 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1124-11-4 / 2,3,5,6-Tetramethylpyrazine / Flavis No. 14.018 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 112-45-8 / Undec-10-enal / Flavis No. 05.035 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07109 | 2,6,6-Trimethylcyclohex-2-en-1,4-dione / CAS No. 1125-21-9 / Flavis No. 07.109 | Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | OJ L 53, 23.02.2018, p. 69 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1125-21-9 / 2,6,6-Trimethylcyclohex-2-en-1,4-dione / Flavis No. 07.109 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07184 | 3-Methylnona-2,4-dione / CAS No. 113486-29-6 / Flavis No. 07.184 | Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | OJ L 53, 23.02.2018, p. 69 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 113486-29-6 / 3-Methylnona-2,4-dione / Flavis No. 07.184 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 115-99-1 / Linalyl formate / Flavis No. 09.080 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 118-58-1 / Benzyl salicylate / Flavis No. 09.752 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 118-61-6 / Ethyl salicylate / Flavis No. 09.748 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 118-71-8 / Maltol / Flavis No. 07.014 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1191-16-9 / Prenyl acetate / Flavis No. 09.692 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1192-62-7 / 2-Acetylfuran / Flavis No. 13.054 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 119-36-8 / Methyl salicylate / Flavis No. 09.749 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1193-79-9 / 2-Acetyl-5-methylfuran / Flavis No. 13.083 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 119-61-9 / Benzophenone / Flavis No. 07.032 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 120-51-4 / Benzyl benzoate / Flavis No. 09.727 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 120-57-0 / Piperonal / Flavis No. 05.016 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14007 | Indole / CAS No. 120-72-9 / Flavis No. 14.007 | Commission Implementing Regulation (EU) 2018/241 of 15 February 2018 | OJ L 53, 23.02.2018, p. 9 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 120-72-9 / Indole / Flavis No. 14.007 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/239 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 121-33-5 / Vanillin / Flavis No. 05.018 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 122-00-9 / 4-Methylacetophenone / Flavis No. 07.022 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 122-40-7 / alpha-Pentylcinnamaldehyde / Flavis No. 05.040 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07005 | Vanillyl acetone / CAS No. 122-48-5 / Flavis No. 07.005 | Commission Implementing Regulation (EU) 2018/244 of 15 February 2018 | OJ L 53, 23.02.2018, p. 81 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 122-48-5 / Vanillyl acetone / Flavis No. 07.005 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 3 of Commission Implementing Regulation (EU) 2018/244 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 122-57-6 / 4-Phenylbut-3-en-2-one / Flavis No. 07.024 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 122-70-3 / Phenethyl propionate / Flavis No. 09.137 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 122-78-1 / Phenylacetaldehyde / Flavis No. 05.030 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 122-97-4 / 3-Phenylpropan-1-ol / Flavis No. 02.031 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 123-07-9 / 4-Ethylphenol / Flavis No. 04.022 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 123-11-5 / 4-Methoxybenzaldehyde / Flavis No. 05.015 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 123-32-0 / 2,5-Dimethylpyrazine / Flavis No. 14.020 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 123-35-3 / Myrcene / Flavis No. 01.008 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 123-68-2 / Allyl hexanoate / Flavis No. 09.244 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14064 | Pyrrolidine / CAS No. 123-75-1 / Flavis No. 14.064 | Commission Implementing Regulation (EU) 2018/241 of 15 February 2018 | OJ L 53, 23.02.2018, p. 27 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 123-75-1 / Pyrrolidine / Flavis No. 14.064 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/241 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 123-92-2 / Isopentyl acetate / Flavis No. 09.024 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 124-76-5 / Isoborneol / Flavis No. 02.059 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 125-12-2 / Isobornyl acetate / Flavis No. 09.218 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 127-41-3 / alpha-Ionone / Flavis No. 07.007 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09715 | Methyl anthranilate CAS No. 134-20-3 / / Flavis No. 09.715 [All animal species with the exception of avian species] | Commission Implementing Regulation (EU) 2018/239 of 15 February 2018 | OJ L 53, 23.02.2018, p. 9 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 134-20-3 / Methyl anthranilate / Flavis No. 09.715 [All animal species with the exception of avian species] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/239 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13494-06-9 / 3,4-Dimethylcyclopentan-1,2-dione / Flavis No. 07.075 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Flavouring compounds | 2b07076 | 3,5-Dimethylcyclopentan-1,2-dione / CAS No. 13494-07-0 / Flavis No. 07.076 | Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | OJ L 53, 23.02.2018, p. 69 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13494-07-0 / 3,5-Dimethylcyclopentan-1,2-dione / Flavis No. 07.076 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b15019 | 2,4,5-Trimethylthiazole / CAS No. 13623-11-5 / Flavis No. 15.019 | Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | OJ L 53, 23.02.2018, p. 109 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13623-11-5 / 2,4,5-Trimethylthiazole / Flavis No. 15.019 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13140 | Linalool oxide / CAS No. 1365-19-1 / Flavis No. 13.140 [All species with the exception of fish] | Commission Implementing Regulation (EU) 2018/246 of 15 February 2018 | OJ L 53, 23.02.2018, p. 105 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1365-19-1 / Linalool oxide / Flavis No. 13.140 [All species with the exception of fish] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/246 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13678-67-6 / Difurfuryl Sulfide / Flavis No. 13.056 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13033 | S-Furfuryl acetothioate / CAS No. 13678-68-7 / Flavis No. 13.033 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13678-68-7 / S-Furfuryl acetothioate / Flavis No. 13.033 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b15014 | 5-(2-Hydroxyethyl)-4-methylthiazole / CAS No. 137-00-8 /Flavis No. 15.014 | Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | OJ L 53, 23.02.2018, p. 109 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 137-00-8 / 5-(2-Hydroxyethyl)-4-methylthiazole / Flavis No. 15.014 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14028 | 5-Methylquinoxaline / CAS No. 13708-12-8 /Flavis No. 14.028 | Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | OJ L 53, 23.02.2018, p. 120 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13708-12-8 / 5-Methylquinoxaline / Flavis No. 14.028 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09269 | Fenchyl acetate / CAS No. 13851-11-1 / Flavis No. 09.269 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13851-11-1 / Fenchyl acetate / Flavis No. 09.269 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13877-91-3 / beta-Ocimene / Flavis No. 01.018 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14022 | 2-Ethylpyrazine / CAS No. 13925-00-3 / Flavis No. 14.022 | Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | OJ L 53, 23.02.2018, p. 120 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13925-00-3 / 2-Ethylpyrazine / Flavis No. 14.022 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 13925-07-0 / 2-Ethyl-3,5-dimethylpyrazine / Flavis No. 14.024 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 140-26-1 / Phenethyl isovalerate / Flavis No. 09.466 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 140-27-2 / Cinnamyl isovalerate / Flavis No. 09.459 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 140-88-5 / Ethyl acrylate / Flavis No. 09.037 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 141-12-8 / Neryl acetate / Flavis No. 09.213 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09129 | Citronellyl propionate / CAS No. 141-14-0 / Flavis No. 09.129 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 141-14-0 / Citronellyl propionate / Flavis No. 09.129 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09049 | Citronellyl butyrate / CAS No. 141-16-2 / Flavis No. 09.049 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 141-16-2 / Citronellyl butyrate / Flavis No. 09.049 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 142-19-8 / Allyl heptanoate / Flavis No. 09.097 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b621 | Monosodium glutamate / CAS No. 142-47-2 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 142-47-2 / Monosodium glutamate | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 142-83-6 / Hexa-2(trans),4(trans)-dienal / Flavis No. 05.057 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13053 | Methyl furfuryl Sulfide / CAS No. 1438-91-1 / Flavis No. 13.053 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1438-91-1 / Methyl furfuryl Sulfide / Flavis No. 13.053 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 144-39-8 / Linalyl propionate / Flavis No. 09.130 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 14667-55-1 / 2,3,5-Trimethylpyrazine / Flavis No. 14.019 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17019 | L-Proline / CAS No. 147-85-3 / Flavis No. 17.019 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 147-85-3 / L-Proline / Flavis No. 17.019 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 14901-07-6 / beta-Ionone / Flavis No. 07.008 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 2 | b | Flavouring compounds | 2b04034 | 1,4-Dimethoxybenzene / CAS No. 150-78-7 / Flavis No. 04.034 | Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | OJ L 53, 23.02.2018, p. 14 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 150-78-7 / 1,4-Dimethoxybenzene / Flavis No. 04.034 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09012 | Citronellyl acetate / CAS No. 150-84-5 / Flavis No. 09.012 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 150-84-5 / Citronellyl acetate / Flavis No. 09.012 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b04016 | 1,3-Dimethoxybenzene / CAS No. 151-10-0 / Flavis No. 04.016 | Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | OJ L 53, 23.02.2018, p. 14 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 151-10-0 / 1,3-Dimethoxybenzene / Flavis No. 04.016 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b15033 | 2-Ethyl 4-methylthiazole / CAS No. 15679-12-6 / Flavis No. 15.033 | Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | OJ L 53, 23.02.2018, p. 109 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 15679-12-6 / 2-Ethyl 4-methylthiazole / Flavis No. 15.033 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 15679-13-7 / 2-Isopropyl-4-methylthiazole / Flavis No. 15.026 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 15706-73-7 / Butyl 2-methylbutyrate / Flavis No. 09.519 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 15707-23-0 / 2-Ethyl-3-methylpyrazine / Flavis No. 14.006 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14005 | 2,3-Diethylpyrazine / CAS No. 15707-24-1 / Flavis No. 14.005 | Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | OJ L 53, 23.02.2018, p. 120 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 15707-24-1 / 2,3-Diethylpyrazine / Flavis No. 14.005 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1576-95-0 / Pent-2-en-1-ol / Flavis No. 02.050 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Flavouring compounds | 2b02038 | Fenchyl alcohol / CAS No. 1632-73-1 / Flavis No. 02.038 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1632-73-1 / Fenchyl alcohol / Flavis No. 02.038 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09270 | Hex-3-enyl butyrate / CAS No. 16491-36-4 / Flavis No. 09.270 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 16491-36-4 / Hex-3-enyl butyrate / Flavis No. 09.270 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 17369-59-4 / 3-Propylidenephthalide / Flavis No. 10.005 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 17587-33-6 / Nona-2(trans),6(trans)-dienal / Flavis No. 05.172 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 1759-28-0 / 4-Methyl-5-vinylthiazole / Flavis No. 15.018 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14056 | 2,3-Diethyl-5-methylpyrazine / CAS No. 18138-04-0 / Flavis No. 14.056 | Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | OJ L 53, 23.02.2018, p. 120 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 18138-04-0 / Diethyl-5-methylpyrazine / Flavis No. 14.056 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b15013 | 2-Isobutylthiazole / CAS No. 18640-74-9 / Flavis No. 15.013 | Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | OJ L 53, 23.02.2018, p. 109 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 18640-74-9 / 2-Isobutylthiazole / Flavis No. 15.013 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 18829-55-5 / Hept-2(trans)-enal / Flavis No. 05.150 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 18829-56-6 / trans-2-Nonenal / Flavis No. 05.072 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b02094 | Oct-3-en-1-ol / CAS No. 20125-84-2 / Flavis No. 02.094 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 20125-84-2 / Oct-3-en-1-ol / Flavis No. 02.094 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 20407-84-5 / Dodec-2(trans)-enal / Flavis No. 05.144 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 20662-84-4 / Trimethyloxazole / Flavis No. 13.169 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09216 | Dihydrocarvyl acetate / CAS No. 20777-49-5 / Flavis No. 09.216 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 20777-49-5 / Dihydrocarvyl acetate / Flavis No. 09.216 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2142-94-1 / Neryl formate / Flavis No. 09.212 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 21834-92-4 / 5-Methyl-2-phenylhex-2-enal / Flavis No. 05.099 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 21835-01-8 / 3-Ethylcyclopentan-1,2-dione / Flavis No. 07.057 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 22047-25-2 / Acetylpyrazine / Flavis No. 14.032 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2216-51-5 / L-Menthol / Flavis No. 02.015 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07146 | d-Carvone / CAS No. 2244-16-8 / Flavis No. 07.146 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2244-16-8 / d-Carvone / Flavis No. 07.146 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b05059 | Non-6(cis)-enal / CAS No. 2277-19-2 / Flavis No. 05.059 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2277-19-2 / Non-6(cis)-enal / Flavis No. 05.059 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2305-05-7 / Dodecano-1,4-lactone / Flavis No. 10.019 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2305-21-7 / Hex-2-en-1-ol / Flavis No. 02.020 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2345-24-6 / Neryl isobutyrate / Flavis No. 09.424 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2345-26-8 / Geranyl isobutyrate / Flavis No. 09.431 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2363-88-4 / 2,4-Decadienal / Flavis No. 05.081 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2363-89-5 / Oct-2-enal / Flavis No. 05.060 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 23696-85-7 / beta-Damascenone / Flavis No. 07.108 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 23726-91-2 / tr-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)but-2-en-1-one / Flavis No. 07.224 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 23726-92-3 / beta-Damascone / Flavis No. 07.083 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 23747-48-0 / 5H-5-methyl-6,7-dihydrocyclopenta (b)pyrazine / Flavis No. 14.037 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 23787-80-6 / 2-Acetyl-3-methylpyrazine / Flavis No. 14.082 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14062 | 2-(sec-Butyl)-3-methoxypyrazine / CAS No. 24168-70-5 / Flavis No. 14.062 | Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | OJ L 53, 23.02.2018, p. 120 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 24168-70-5 / 2-(sec-Butyl)-3-methoxypyrazine / Flavis No. 14.062 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b15020 | 2-Acetylthiazole / CAS No. 24295-03-2 / Flavis No. 15.020 | Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | OJ L 53, 23.02.2018, p. 109 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 24295-03-2 / 2-Acetylthiazole / Flavis No. 15.020 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2442-10-6 / Oct-1-en-3-yl acetate / Flavis No. 09.281 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2463-53-8 / Non-2-enal / Flavis No. 05.171 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2463-77-6 / Undec-2(trans)-enal / Flavis No. 05.184 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 24683-00-9 / 2-Isobutyl-3-methoxypyrazine / Flavis No. 14.043 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 24851-98-7 / Methyl 3-oxo-2-pentyl-1-cyclopentylacetate / Flavis No. 09.520 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2497-18-9 / Hex-2(trans)-enyl acetate / Flavis No. 09.394 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 25152-84-5 / Deca-2(trans),4(trans)-dienal / Flavis No. 05.140 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 25415-62-7 / Pentyl isovalerate / Flavis No. 09.499 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2548-87-0 / trans-2-Octenal / Flavis No. 05.190 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14112 | 2-Ethyl-3-methoxypyrazine / CAS No. 25680-58-4 / Flavis No. 14.112 | Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | OJ L 53, 23.02.2018, p. 120 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 25680-58-4 / 2-Ethyl-3-methoxypyrazine / Flavis No. 14.112 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2679-87-0 / tr-2, cis-6-Nonadien-1-ol / Flavis No. 02.231 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2721-22-4 / Tetradecano-1,5-lactone / Flavis No. 10.016 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 27538-09-6 / 2-Ethyl-4-hydroxy-5-methyl-3(2H)-furanone / Flavis No. 13.084 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2758-18-1 / 3-Methyl-2-cyclopenten-1-one / Flavis No. 07.112 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2785-89-9 / 4-Ethylguaiacol / Flavis No. 04.008 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2785-89-9 / p-methylanisole, 1-Methoxy-4-methylbenzene / Flavis No. 04.015 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b06081 | 1-Ethoxy-1-(3-hexenyloxy)ethane / CAS No. 28069-74-1 / Flavis No. 06.081 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 28069-74-1 / 1-Ethoxy-1-(3-hexenyloxy)ethane / Flavis No. 06.081 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 2847-30-5 / 2-Methoxy-3-methylpyrazine / Flavis No. 14.126 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13055 | 2-Methylfuran-3-thiol / CAS No. 28588-74-1 / Flavis No. 13.055 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 28588-74-1 / 2-Methylfuran-3-thiol / Flavis No. 13.055 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13016 | Bis-(2-Methyl-3-furyl) disulfide / CAS No. 28588-75-2 / Flavis No. 13.016 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 28588-75-2 / bis-(2-Methyl-3-furyl) disulfide / Flavis No. 13.016 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |

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|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 28664-35-9 / 3-Hydroxy-4,5-dimethylfuran-2(5H)-one / Flavis No. 10.030 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Flavouring compounds | 2b09016 | Menthyl acetate / CAS No. 29066-34-0 / Flavis No. 09.016 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 29066-34-0 / Menthyl acetate / Flavis No. 09.016 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 29606-79-9 / Isopulegone / Flavis No. 07.067 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 30086-02-3 / 3,5-Octadiene-2-one / Flavis No. 07.247 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3025-30-7 / Ethyldeca-2(cis),4(trans)-dienoate / Flavis No. 09.260 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17020 | D,L-Serine / CAS No. 302-84-1 / Flavis No. 17.020 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 302-84-1 / Serine / Flavis No. 17.020 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 30361-29-6 / tr-2, tr-4-Undecadienal / Flavis No. 05.196 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3142-72-1 / 2-Methyl-2-pentenoic acid / Flavis No. 08.055 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09271 | Hex-3-enyl hexanoate / CAS No. 31501-11-8 / Flavis No. 09.271 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 31501-11-8 / Hex-3-enyl hexanoate / Flavis No. 09.271 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3188-00-9 / 4,5-Dihydro-2-methylfuran-3(2H)-one / Flavis No. 13.042 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14049 | 2-Acetyl-3-ethylpyrazine / CAS No. 32974-92-8 / Flavis No. 14.049 | Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | OJ L 53, 23.02.2018, p. 120 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 32974-92-8 / 2-Acetyl-3-ethylpyrazine / Flavis No. 14.049 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09240 | Hex-3(cis)-enyl formate / CAS No. 33467-73-1 / Flavis No. 09.240 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 33467-73-1 / Hex-3(cis)-enyl formate / Flavis No. 09.240 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3391-86-4 / Oct-1-en-3-ol / Flavis No. 02.023 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14015 | 5,6,7,8-Tetrahydroquinoxaline / CAS No. 34413-35-9 / Flavis No. 14.015 | Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | OJ L 53, 23.02.2018, p. 120 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 34413-35-9 / 5,6,7,8-Tetrahydroquinoxaline / Flavis No. 14.015 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4691-65-0 / Disodium Inosine-5-Mono-phosphate (IMP) | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b03006 | 2-Methoxyethyl benzene / CAS No. 3558-60-9 / Flavis No. 03.006 | Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | OJ L 53, 23.02.2018, p. 14 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3558-60-9 / 2-Methoxyethyl benzene / Flavis No. 03.006 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b02093 | Non-6-en-1-ol / CAS No. 35854-86-5 / Flavis No. 02.093 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 35854-86-5 / Non-6-en-1-ol / Flavis No. 02.093 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3658-77-3 / 4-Hydroxy-2,5-dimethylfuran-3(2H)-one / Flavis No. 13.010 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09197 | Hex-3(cis)-enyl acetate / CAS No. 3681-71-8 / Flavis No. 09.197 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3681-71-8 / Hex-3(cis)-enyl acetate / Flavis No. 09.197 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3777-69-3 / 2-Pentylfuran / Flavis No. 13.059 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 38462-22-5 / 8-Mercapto-p-menthan-3-one / Flavis No. 12.038 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2019/900 of 29 May 2019 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b12038 | 8-Mercapto-p-menthan-3-one / CAS No. 38462-22-5 / Flavis No. 12.038 | Commission Implementing Regulation (EU) 2019/900 of 29 May 2019 | OJ L 144, 03.06.2019, p. 36 | 23.06.2019 | 23.06.2029 | 03.06.19 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3913-71-1 / Dec-2-enal / Flavis No. 05.076 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3913-81-3 / trans-2-Decenal / Flavis No. 05.191 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 3913-85-7 / Dec-2-enoic acid / Flavis No. 08.073 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 41453-56-9 / Non-2(cis)-en-1-ol / Flavis No. 02.112 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09563 | Hex-3(cis)-enyl isobutyrate / CAS No. 41519-23-7 / Flavis No. 09.563 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 41519-23-7 / Hex-3(cis)-enyl isobutyrate / Flavis No. 09.563 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |

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|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4166-20-5 / 4-Acetoxy-2,5-dimethylfuran-3(2H)-one / Flavis No. 13.099 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4180-23-8 / 1-Methoxy-4-(prop-1(trans)-enyl)benzene / Flavis No. 04.010 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 43039-98-1 / 2-Propionylthiazole / Flavis No. 15.027 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 43052-87-5 / alpha-Damascone / Flavis No. 07.134 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 431-03-8 / Diacetyl / Flavis No. 07.052 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4312-99-6 / Oct-1-en-3-one / Flavis No. 07.081 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4313-03-5 / 2,4-heptadienal, Hepta-2,4-dienal / Flavis No. 05.084 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13050 | Difurfuryl sulfide / CAS No. 4437-20-1 / Flavis No. 13.050 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4437-20-1 / Difurfuryl sulfide / Flavis No. 13.050 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4437-22-3 / Difurfuryl ether / Flavis No. 13.061 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07077 | Hexan-3,4-dione / CAS No. 4437-51-8 / Flavis No. 07.077 | Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | OJ L 53, 23.02.2018, p. 69 | 15.03.2018 | 15.03.2028 | 23.02.18 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4437-51-8 / Hexan-3,4-dione / Flavis No. 07.077 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17010 | D,L-Isoleucine / CAS No. 443-79-8 / Flavis No. 17.010 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 443-79-8 / (d-, l-) Isoleucine / Flavis No. 17.010 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4602-84-0 / 3,7,11-Trimethyldodeca-2,6,10-trien-1-ol / Flavis No. 02.029 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4630-07-3 / Valencene / Flavis No. 01.017 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 464-49-3 / (1R)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one / Flavis No. 07.215 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4674-50-4 / Nootkatone / Flavis No. 07.089 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07159 | CAS No. 4695-62-9 / d-Fenchone / Flavis No. 07.159 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4695-62-9 / d-Fenchone / Flavis No. 07.159 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4826-62-4 / 2-Dodecenal / Flavis No. 05.037 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4861-58-9 / sec-Pentylthiophene / Flavis No. 15.096 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07094 | 3-Methyl-2(pent-2(cis)-enyl)cyclopent-2-en-1-one / CAS No. 488-10-8 / Flavis No. 07.094 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 488-10-8 / 3-Methyl-2(pent-2-enyl)cyclopent-2-en-1-one / Flavis No. 07.094 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09186 | CAS No. 4906-24-5 / sec-Butan-3-onyl acetate / Flavis No. 09.186 | Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | OJ L 53, 23.02.2018, p. 69 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 4906-24-5 / sec-Butan-3-onyl acetate / Flavis No. 09.186 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07078 | d,l-Isomenthone / CAS No. 491-07-6 / Flavis No. 07.078 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 491-07-6 / d,l-Isomenthone / Flavis No. 07.078 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 499-75-2 / Carvacrol / Flavis No. 04.031 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b08036 | Citronellic acid / CAS No. 502-47-6 / Flavis No. 08.036 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 502-47-6 / Citronellic acid / Flavis No. 08.036 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 505-57-7 / 2-Hexenal; hex-2-enal / Flavis No. 05.189 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 507-70-0 / Borneol / Flavis No. 02.016 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07051 | 3-Hydroxybutan-2-one / CAS No. 513-86-0 / Flavis No. 07.051 | Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | OJ L 53, 23.02.2018, p. 69 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 513-86-0 / 3-Hydroxybutan-2-one / Flavis No. 07.051 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Flavouring compounds | 2b17033 | L-Cysteine / CAS No. 52-90-4 / Flavis No. 17.033 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 / corrected by Commission Implementing Regulation (EU) 2018/1567 of 18 October 2018 in OJ 262 19.10.2018, p. 31 | OJ L 53, 23.02.2018, p. 134 / corrected by OJ 262 19.10.2018, p. 31 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 52-90-4 / L-Cysteine / Flavis No. 17.033 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 53398-83-7 / Hex-2-enyl butyrate / Flavis No. 09.396 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 534-22-5 / 2-Methylfuran / Flavis No. 13.030 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 536-78-7 / 3-Ethylpyridine / Flavis No. 14.061 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 5392-40-5 / Citral / Flavis No. 05.020 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 541-31-1 / 3-Methylbutane-1-thiol / Flavis No. 12.171 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 5421-17-0 / Hexyl phenylacetate / Flavis No. 09.804 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 5471-51-2 / 4-(p-Hydroxyphenyl)butan-2-one / Flavis No. 07.055 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 55031-15-7 / 2-ethyl-3,(5or6)dimethylpyrazine / Flavis No. 14.100 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 551-08-6 / 3-Butylidenephthalide / Flavis No. 10.024 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 5550-12-9 / Disodium guanosine 5'-monophosphate (GMP) | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 556-24-1 / Methyl isovalerate / Flavis No. 09.462 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 557-48-2 / Nona-2(trans),6(cis)-dienal / Flavis No. 05.058 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 562-74-3 / 4-Terpinenol / Flavis No. 02.072 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17034 | Glycine / CAS No. 56-40-6 / Flavis No. 17.034 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 / corrected by Commission Implementing Regulation (EU) 2018/1567 of 18 October 2018 in OJ 262 19.10.2018, p. 31 | OJ L 53, 23.02.2018, p. 134 / corrected by OJ 262 19.10.2018, p. 31 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 56-40-6 / Glycine / Flavis No. 17.034 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17002 | L-Alanine / CAS No. 56-41-7 / Flavis No. 17.002 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 56-41-7 / L-Alanine / Flavis No. 17.002 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17005 | L-Aspartic acid / CAS No. 56-84-8 / Flavis No. 17.005 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 56-84-8 / Aspartic acid / Flavis No. 17.005 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b620 | CAS No. 56-86-0 / L-glutamic acid | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 56-86-0 / L-glutamic acid | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13064 | Methyl furfuryl disulfide / CAS No. 57500-00-2 / Flavis No. 13.064 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 57500-00-2 / Methyl furfuryl disulfide / Flavis No. 13.064 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 576-26-1 / 2,6-Dimethylphenol / Flavis No. 04.042 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 578-58-5 / 2,5-Dimethylphenol / Flavis No. 04.0192 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 586-62-9 / Terpinolene / Flavis No. 01.005 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 5910-87-2 / tr-2, tr-4-Nonadienal / Flavis No. 05.194 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 5910-89-4 / 2,3-Dimethylpyrazine / Flavis No. 14.050 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 593-08-8 / Tridecan-2-one / Flavis No. 07.103 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b11024 | Trimethylamine hydrochloride / CAS No. 593-81-7 / Flavis No. 11.024 [All species with the exception of laying hens] | Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | OJ L 53, 23.02.2018, p. 14 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 593-81-7 / Trimethylamine hydrochloride / Flavis No. 11.024 [All species with the exception of laying hens] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 5989-54-8 / l-Limonene / Flavis No. 01.046 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07060 | Pentan-2,3-dione / CAS No. 600-14-6 / Flavis No. 07.060 | Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | OJ L 53, 23.02.2018, p. 69 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 600-14-6 / Pentan-2,3-dione / Flavis No. 07.060 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 60-12-8 / 2-Phenylethan-1-ol / Flavis No. 02.019 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17022 | L-Thyrosine / CAS No. 60-18-4 / Flavis No. 17.022 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 60-18-4 / L-Thyrosine / Flavis No. 17.022 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13002 | CAS No. 611-13-2 / Methyl 2-furoate / Flavis No. 13.002 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 611-13-2 / Methyl 2-furoate / Flavis No. 13.002 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 616-25-1 / Pent-1-en-3-ol / Flavis No. 02.099 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17012 | L-Leucine / CAS No. 61-90-5 /Flavis No. 17.012 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 61-90-5 / L-Leucine / Flavis No. 17.012 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 620-02-0 / 5-Methylfurfural / Flavis No. 13.001 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 621-82-9 / Cinnamic acid / Flavis No. 08.022 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 622-45-7 / Cyclohexyl acetate / Flavis No. 09.027 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 623-15-4 / 4-(2-Furyl)but-3-en-2-one / Flavis No. 13.044 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Flavouring compoundss | 2b13128 | Furfuryl acetate / CAS No. 623-17-6 / Flavis No. 13.128 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 623-17-6 / Furfuryl acetate / Flavis No. 13.128 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 624-41-9 / 2-Methylbutyl acetate / Flavis No. 09.286 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compoundss | 2b14025 | 2,5 or 6-methoxy-3-methylpyrazine / CAS No. 63450-30-6 / Flavis No. 14.025 | Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | OJ L 53, 23.02.2018, p. 120 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 63450-30-6 / 2,5 or 6-methoxy-3-methylpyrazine / Flavis No. 14.025 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/248 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17027 | L-Methionine / CAS No. 63-68-3 / Flavis No. 17.027 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 63-68-3 / L-Methionine / Flavis No. 17.027 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17018 | L-Phenylalanine / CAS No. 63-91-2 / Flavis No. 17.018 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 63-91-2 / L-Phenylalanine / Flavis No. 17.018 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |

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| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 6485-40-1 / L-Carvone / Flavis No. 07.147 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13079 | Methyl 2-methyl-3-furyl disulfide / CAS No. 65505-17-1 / Flavis No. 13.079 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 65505-17-1 / Methyl 2-methyl-3-furyl disulfide / Flavis No. 13.079 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 659-70-1 / 3-Methylbutyl 3-methylbutyrate / Flavis No. 09.463 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b16027 | Thiamine hydrochloride / CAS No. 67-03-8 / Flavis No. 16.027 | Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | OJ L 53, 23.02.2018, p. 109 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 67-03-8 / Thiamine hydrochloride / Flavis No. 16.027 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 6728-26-3 / Hex-2(trans)-enal / Flavis No. 05.073 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b05085 | Hept-4-enal / CAS No. 6728-31-0 / Flavis No. 05.085 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 6728-31-0 / Hept-4-enal / Flavis No. 05.085 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 6750-03-4 / Nona-2,4-dienal / Flavis No. 05.071 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Flavouring compounds | 2b05075 | Hex-3(cis)-enal / CAS No. 6789-80-6 / Flavis No. 05.075 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 6789-80-6 / Hex-3(cis)-enal / Flavis No. 05.075 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 698-10-2 / 5-Ethyl-3-hydroxy-4-methylfuran-2(5H)-one / Flavis No. 10.023 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Flavouring compounds | 2b920 | L-Cysteine hydrochloride monohydrate / CAS No. 7048-04-6 [All species with the exception of cats and dogs] | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 / corrected by Commission Implementing Regulation (EU) 2018/1567 of 18 October 2018 in OJ 262 19.10.2018, p. 31 | OJ L 53, 23.02.2018, p. 134 / corrected by OJ 262 19.10.2018, p. 31 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 7048-04-6 / L-Cysteine HCl monohydrate [All species with the exception of cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 706-14-9 / Decano-1,4-lactone / Flavis No. 10.017 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17008 | L-Histidine / CAS No. 71-00-1 / Flavis No. 17.008 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 71-00-1 / (L-) Histidine / Flavis No. 17.008 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 71159-90-5 / p-Menth-1-ene-8-thiol / Flavis No. 12.085 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2019/900 of 29 May 2019 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b12085 | p-Menth-1-ene-8-thiol / CAS No. 71159-90-5 / Flavis No. 12.085 | Commission Implementing Regulation (EU) 2019/900 of 29 May 2019 | OJ L 144, 03.06.2019, p. 36 | 23.06.2019 | 23.06.2029 | 03.06.19 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 713-95-1 / Dodecano-1,5-lactone / Flavis No. 10.008 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17028 | L-Valine / CAS No. 72-18-4 / Flavis No. 17.028 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 72-18-4 / L-Valine / Flavis No. 17.028 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 7367-88-6 / Ethyl dec-2-enoate / Flavis No. 09.283 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category (*Annex I of Reg. 1831/03*) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 7452-79-1 / Ethyl 2-methylbutyrate / Flavis No. 09.409 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b15113 | 5,6-Dihydro-2,4,6,tris(2-methylpropyl)4H-1,3,5-dithiazine / CAS No. 74595-94-1 / Flavis No. 15.113 | Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | OJ L 53, 23.02.2018, p. 109 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 74595-94-1 / 4H-1,3,5-Dithiazine, Dihydro-2,4,6-tris(2-methylpropyl)-; 5,6-Dihydro-2,4,6-trans(2-methylpropyl)4H-1,3,5-dithiazine / Flavis No. 15.113 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/247 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b17003 | L-Arginine / CAS No. 74-79-3 / Flavis No. 17.003 | Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | OJ L 53, 23.02.2018, p. 134 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 3 | c | Flavouring compounds | 3c363 | L-arginine produced by *Escherichia coli* NITE BP-02186) [All animal species] | Commission Implementing Regulation (EU) 2019/12 of 3 January 2019 | OJ L 2, 04.01.2019, p. 21 | 24.01.2019 | 24.01.2029 | 24.01.19 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 74-79-3 / L-Arginine / Flavis No. 17.003 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/249 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 74-93-1 / Methanethiol / Flavis No. 12.003 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b02229 | (-)-3,7-Dimethyl-6-octen-1-ol / CAS No. 7540-51-4 / Flavis No. 02.229 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 7540-51-4 / (-)-3,7-Dimethyl-6-octen-1-ol / Flavis No. 02.229 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b11009 | Trimethylamine / CAS No. 75-50-3 / Flavis No. 11.009 [All species with the exception of laying hens] | Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | OJ L 53, 23.02.2018, p. 14 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 75-50-3 / Trimethylamine / Flavis No. 11.009 [All species with the exception of laying hens] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/240 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 75853-49-5 / 12-Methyltridecanal / Flavis No. 05.169 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 76-49-3 / Bornyl acetate / Flavis No. 09.017 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 76649-16-6 / Ethyl dec-4-enoate / Flavis No. 09.284 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 766-92-7 / Benzyl methyl sulfide / Flavis No. 12.077 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 7774-82-5 / Tridec-2-enal / Flavis No. 05.078 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 7779-65-9 / Isopentyl cinnamate / Flavis No. 09.742 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 7786-44-9 / Nona-2,6-dien-1-ol / Flavis No. 02.049 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 7786-61-0 / 2-Methoxy-4-vinylphenol / Flavis No. 04.009 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 78-35-3 / Linalyl isobutyrate / Flavis No. 09.423 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 78-36-4 / Linalyl butyrate / Flavis No. 09.050 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b07126 | CAS No. 78-59-1 / 3,5,5-Trimethylcyclohex-2-en-1-one / Flavis No. 07.126 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 78-59-1 / 3,5,5-Trimethylcyclohex-2-en-1-one / Flavis No. 07.126 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 78-70-6 / Linalool / Flavis No. 02.013 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 78-93-3 / Butan-2-one / Flavis No. 07.053 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 79-31-2 / 2-Methylpropionic acid / Flavis No. 08.006 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 79-69-6 / 4-(2,5,6,6-Tetramethyl-2-cyclohexenyl)-3-buten-2-one / Flavis No. 07.011 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 8007-35-0 / Terpineol acetate / Flavis No. 09.830 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 80-59-1 / 2-Methylcrotonic acid / Flavis No. 08.064 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 81925-81-7 / 5-Methylhept-2-en-4-one / Flavis No. 07.139 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 821-55-6 / Nonan-2-one / Flavis No. 07.020 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14004 | 3-Methylindole / CAS No. 83-34-1 / Flavis No. 14.004 | Commission Implementing Regulation (EU) 2018/241 of 15 February 2018 | OJ L 53, 23.02.2018, p. 9 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 83-34-1 / 3-Methylindole / Flavis No. 14.004 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/239 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b09781 | Methyl N-methylanthranilate / CAS No. 85-91-6 / Flavis No. 09.781 [All animal species with the exception of avian species] | Commission Implementing Regulation (EU) 2018/239 of 15 February 2018 | OJ L 53, 23.02.2018, p. 9 | 15.03.2018 | 15.03.2028 | 23.02.18 |

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|---|---|---|---|---|---|---|---|---|---|
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 85-91-6 / Methyl N-methylanthranilate / Flavis No. 09.781 [All animal species with the exception of avian species] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/239 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 87-19-4 / Isobutyl salicylate / Flavis No. 09.750 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 87-20-7 / Isopentyl salicylate / Flavis No. 09.751 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 88-69-7 / 2-Isopropylphenol / Flavis No. 04.044 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 89-78-1 / DL-Menthol (racemic) / Flavis No.02.015 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b02015 | Menthol / CAS No. 89-78-1 / Flavis No. 02.015 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 89-78-1 / Menthol / Flavis No. 02.015 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 89-79-2 / Isopulegol / Flavis No. 02.067 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 89-80-5 / trans-Menthone / Flavis No. 07.176 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 89-83-8 / Thymol / Flavis No. 04.006 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 90-05-1 / 2-Methoxyphenol / Flavis No. 04.005 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 91-10-1 / 2,6-Dimethoxyphenol / Flavis No. 04.036 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b02056 | Hex-3(cis)-en-1-ol / CAS No. 928-91-6 / Flavis No. 02.056 | Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | OJ L 53, 23.02.2018, p. 36 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 928-96-1 / Hex-3(cis)-en-1-ol / Flavis No. 02.056 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 93-04-9 / 2-Methoxynaphthalene / Flavis No. 04.074 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 93-16-3 / 1,2-Dimethoxy-4-(prop-1-enyl)benzene / Flavis No. 04.013 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 93-51-6 / 2-Methoxy-4-methylphenol / Flavis No. 04.007 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 93-53-8 / 2-Phenylpropanal / Flavis No. 05.038 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 93-92-5 / 1-Phenethyl acetate / Flavis No. 09.178 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b14003 | Piperine / CAS No. 94-62-2 / Flavis No. 14.003 | Commission Implementing Regulation (EU) 2018/241 of 15 February 2018 | OJ L 53, 23.02.2018, p. 27 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 94-62-2 / Piperine / Flavis No. 14.003 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/241 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 95-16-9 / Benzothiazole / Flavis No. 15.016 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 95-48-7 / 2-Methylphenol / Flavis No. 04.027 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 95-65-8 / 3,4-Dimethylphenol / Flavis No. 04.048 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 95-87-4 / 2,5-Dimethylphenol / Flavis No. 04.019 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Flavouring compounds | 2b09215 | Carvyl acetate / CAS No. 97-42-7 / Flavis No. 09.215 | Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | OJ L 53, 23.02.2018, p. 87 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 97-42-7 / Carvyl acetate / Flavis No. 09.215 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 97-53-0 / Eugenol / Flavis No. 04.003 [All animal species with the exception of fish] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 97-62-1 / Ethyl isobutyrate / Flavis No. 09.413 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13019 | Furfuryl alcohol / CAS No. 98-00-0 / Flavis No. 13.019 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 98-00-0 / Furfuryl alcohol / Flavis No. 13.019 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | Flavouring compounds | 2b13018 | Furfural / CAS No. 98-01-1 / Flavis No. 13.018 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | Flavouring compounds | | CAS No. 98-01-1 / Furfural / Flavis No. 13.018 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | 2b13026 | 2-Furanmethanethiol / CAS No. 98-02-2 / Flavis No. 13.026 | Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | OJ L 53, 23.02.2018, p. 166 | 15.03.2018 | 15.03.2028 | 23.02.18 |

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| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 98-02-2 / 2-Furanmethanethiol / Flavis No. 13.026 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 98-85-1 / 1-Phenylethan-1-ol / Flavis No. 02.064 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 98-86-2 / Acetophenone / Flavis No. 07.004 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 99-83-2 / alpha-Phellandrene / Flavis No. 01.006 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 99-85-4 / gamma-Terpinene / Flavis No. 01.020 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | natural or corresponding synthetic chemically defined flavourings | | CAS No. 99-86-5 / alpha-Terpinene / Flavis No. 01.019 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 1j514ii | Sodium bisulphate [Pets and other non-food producing animals other than cats and mink; Cats; Mink] | Commission Implementing Regulation (EU) No 136/2012 of 16 February 2012 / *Amended by* Commission Implementing Regulation (EU) 2015/1414 of 20 August 2015 | OJ L 46, 17.02.2012, p. 33 / *Amended by* OJ L 220, 21.08.2015, p. 3 | 08.03.2012 | 08.03.2022 | 17.02.12 |
| 2 | b | Flavouring compounds | 1k280 | Propionic acid / CAS No. 79-09-4 | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavourings compounds | 2b0001 | Smoke flavouring extract-[Dogs and cats] | Commission Implementing Regulation (EU) No 1076/2014 of 13 October 2014 | OJ L 296, 14.10.2014, p. 19 | 03.11.2014 | 03.11.2024 | 15.10.14 |
| 2 | b | Flavouring compounds | 2b01002 | 1-Isopropyl- 4-methylbenzene | Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 | OJ L 13, 17.01.2017, p. 246 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b01003 | Pin-2(10)- ene | Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 | OJ L 13, 17.01.2017, p. 246 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b01004 | Pin-2(3)- ene | Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 | OJ L 13, 17.01.2017, p. 246 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b01007 | beta-caryophyllene | Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 | OJ L 13, 17.01.2017, p. 246 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b01009 | Camphene | Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 | OJ L 13, 17.01.2017, p. 246 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b01010 | 1-Isopropenyl-4- methylbenzene | Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 | OJ L 13, 17.01.2017, p. 246 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b01029 | delta-3- Carene | Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 | OJ L 13, 17.01.2017, p. 246 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b01045 | d-Limonene | Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 | OJ L 13, 17.01.2017, p. 246 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02001 | 2-Methylpropan-1-ol | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02003 | Isopentanol | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02004 | Butan-1-ol | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02005 | Hexan-1-ol | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02006 | Octan-1-ol | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02007 | Nonan-1-ol | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02008 | Dodecan-1-ol | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02010 | Benzyl alcohol | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02014 | alpha-Terpineol | Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 | OJ L 13, 17.01.2017, p. 159 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02018 | Nerolidol | Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 | OJ L 13, 17.01.2017, p. 159 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02021 | Heptan-1-ol | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02022 | Octan-2-ol | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02024 | Decan-1-ol | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02026 | 3,7-Dimethyloctan-1-ol | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02039 | 4-Isopropylbenzyl alcohol | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02040 | Pentan-1-ol | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b02042 | 2-(4-Methylphenyl)propan-2-ol | Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 | OJ L 13, 17.01.2017, p. 159 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02078 | Ethanol | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02079 | Isopropanol | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02082 | 2-Ethylhexan-1-ol | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02088 | Pentan-2-ol | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02098 | Octan-3-ol | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b02230 | Terpineol | Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 | OJ L 13, 17.01.2017, p. 159 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b03001 | 1,8-Cineole | Commission Implementing Regulation (EU) 2017/57 of 14 December 2016 | OJ L 13, 17.01.2017, p. 153 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b04004 | Isoeugenol | Commission Implementing Regulation (EU) 2017/60 of 14 December 2016 | OJ L 13, 17.01.2017, p. 177 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b04051 | 4-Allyl-2,6-dimethoxyphenol [All animal species except fish and poultry] | Commission Implementing Regulation (EU) 2017/61 of 14 December 2016 | OJ L 13, 17.01.2017, p. 181 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05001 | Acetaldehyde | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05002 | Propanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05003 | Butanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05004 | 2-Methylpropanal | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05005 | Pentanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05006 | 3-Methylbutanal | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05008 | Hexanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05009 | Octanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05010 | Decanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05011 | Dodecanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b05013 | Benzaldehyde | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05017 | Veratraldehyde [All animal species except poultry and fish] | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05022 | 4-Isopropylbenzaldehyde | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05025 | Nonanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05029 | p-Tolualdehyde | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05031 | Heptanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05034 | Undecanal | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05049 | 2-Methylbutyraldehyde | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05055 | Salicylaldehyde | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b05129 | 2-Methoxybenzaldehyde | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b06001 | 1,1-Diethoxyethane | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b06006 | 1,1-Dimethoxy-2-phenylethane | Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 | OJ L 13, 17.01.2017, p. 167 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b07002 | Heptan-2-one | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b07054 | Pentan-2-one | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b07099 | 6-Methyl- hepta- 3,5-dien- 2-one | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b07113 | Nonan- 3- one | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b07150 | Decan- 2 -one | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08001 | Formic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08002 | Acetic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b08004 | Lactic acid | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08007 | Valeric acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08008 | 3-Methylbutyric acid | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08009 | Hexanoic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08010 | Octanoic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08011 | Decanoic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08012 | Dodecanoic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08013 | Oleic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08014 | Hexadecanoic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08016 | Tetradecanoic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08021 | Benzoic acid | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p.214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08023 | 4-Oxovaleric acid | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08024 | Succinic acid | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08025 | Fumaric acid | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08028 | Heptanoic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08029 | Nonanoic acid | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08031 | 2-Methylvaleric acid | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08045 | 2-Ethylbutyric acid | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08046 | 2-Methylbutyric acid | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08047 | 2-Methylheptanoic acid | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08062 | 4-Methylnonanoic acid | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b08063 | 4-Methyloctanoic acid | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b08080 | Gallic acid [All animal species except fish] | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09001 | Ethyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09002 | Propyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09004 | Butyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09005 | Isobutyl acetate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09006 | Hexyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09007 | Octyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09008 | Nonyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09009 | Decyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09010 | Dodecyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09013 | Linalyl acetate | Commission Implementing Regulation (EU) 2017/58 of 14 December 2016 | OJ L 13, 17.01.2017, p. 159 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09014 | Benzyl acetate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09020 | Eugenyl acetate | Commission Implementing Regulation (EU) 2017/61 of 14 December 2016 | OJ L 13, 17.01.2017, p. 181 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09022 | Heptyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09023 | Methyl acetate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09038 | Methyl butyrate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09042 | Butyl butyrate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09043 | Isobutyl butyrate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09044 | Pentyl butyrate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09045 | Hexyl butyrate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09046 | Octyl butyrate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b09051 | Benzyl butyrate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09059 | Ethyl decanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09060 | Ethyl hexanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09061 | Propyl hexanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09065 | Pentyl hexanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09066 | Hexyl hexanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09069 | Methyl hexanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09070 | 3-Methylbutyl hexanoate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09072 | Ethyl formate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09077 | Benzyl formate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09083 | Phenethyl formate | Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 | OJ L 13, 17.01.2017, p. 167 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09099 | Ethyl dodecanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09103 | 3-Methylbutyl dodecanoate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09104 | Ethyl tetradecanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09105 | Isopropyl tetradecanoate | Commission Implementing Regulation (EU) 2017/55 of 14 December 2016 | OJ L 13, 17.01.2017, p. 112 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09107 | Ethyl nonanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09111 | Ethyl octanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09120 | 3-Methylbutyl octanoate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09121 | Ethyl propionate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09132 | Benzyl propionate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09134 | Methyl propionate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09136 | 3-Methylbutyl propionate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b09147 | Ethyl valerate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09148 | Butyl valerate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09162 | 3-Methylbutyl formate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09191 | Ethyl hex-3-enoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09193 | Ethyl hexadecanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09211 | Glyceryl tributyrate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09248 | Ethyl trans-2-butenoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09262 | Phenethyl octanoate | Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 | OJ L 13, 17.01.2017, p. 167 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09274 | Ethyl undecanoate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09316 | Benzyl hexanoate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09402 | Ethyl acetoacetate | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09417 | Isobutyl isobutyrate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09419 | Isopentyl isobutyrate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09426 | Benzyl isobutyrate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09427 | Phenethyl isobutyrate | Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 | OJ L 13, 17.01.2017, p. 167 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09433 | Ethyl lactate | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09434 | Butyl lactate | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09435 | Ethyl 4-oxovalerate | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09444 | Diethyl succinate | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09449 | Butyl isovalerate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b09458 | Benzyl isovalerate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09472 | Isobutyl isovalerate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09478 | Hexyl isobutyrate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09483 | Methyl 2-methylbutyrate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09490 | Diethyl malonate | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09491 | Butyl-O-butyryllactate | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09507 | Hexyl 2-methylbutyrate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09512 | Triethyl citrate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09529 | Hexyl isovalerate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09530 | Isopentyl 2-methylbutyrate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09531 | 2-Methylbutyl isovalerate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09538 | Phenethyl 2-methyl-butyrate | Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 | OJ L 13, 17.01.2017, p. 167 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09545 | Hex-3-enyl lactate | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09549 | Methyl 2-methylvalerate | Commission Implementing Regulation (EU) 2017/53 of 14 December 2016 | OJ L 13, 17.01.2017, p. 1 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09580 | Hexyl lactate | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09581 | Hexyl salicylate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09659 | 2-Methylbutyl butyrate | Commission Implementing Regulation (EU) 2017/54 of 14 December 2016 | OJ L 13, 17.01.2017, p. 80 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09705 | Benzyl phenylacetate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09725 | Methyl benzoate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b09726 | Ethyl benzoate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09755 | Isopentyl benzoate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09757 | Isobutyl benzoate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09762 | Pentyl salicylate | Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 | OJ L 13, 17.01.2017, p. 214 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b09774 | Phenethyl benzoate | Commission Implementing Regulation (EU) 2017/59 of 14 December 2016 | OJ L 13, 17.01.2017, p. 167 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b10006 | Butyro-1,4-lactone | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b10007 | Decano-1,5-lactone | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b10011 | Undecano-1,5-lactone | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b10013 | Pentano-1,4-lactone | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b10014 | Nonano-1,5-lactone | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b10015 | Octano-1,5-lactone | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b10020 | Heptano-1,4-lactone | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b10021 | Hexano-1,4-lactone | Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 | OJ L 13, 17.01.2017, p. 129 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12001 | 3-(Methylthio)propionaldehyde | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12002 | Methyl 3-(methylthio)propionate | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12004 | Allylthiol | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12006 | Dimethyl sulfide | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12007 | Dibutyl sulfide | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b12008 | Diallyl disulfide | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12009 | Diallyl trisulfide | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12013 | Dimethyl trisulfide | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12014 | Dipropyl disulfide | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12025 | Allyl isothiocyanate | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12026 | Dimethyl disulfide | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12027 | 2-Methylbenzene-1-thiol | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12032 | S-Methyl butanethioate | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12037 | Allyl methyl disulfide | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12062 | 3-(Methylthio)propan-1-ol | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12063 | 3-(Methylthio)hexan-1-ol | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12071 | 1-Propane-1-thiol | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12088 | Diallyl sulfide | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12118 | 2,4-Dithiapentane | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12168 | 2-Methyl-2-(methyldithio) propanal | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12173 | 2-Methylpropane-1-thiol | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12175 | Methylsulfinyl methane | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b12197 | Propane-2-thiol | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |

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| 2 | b | Flavouring compounds | 2b13009 | 3,4-Dihydrocoumarin | Commission Implementing Regulation (EU) 2017/57 of 14 December 2016 | OJ L 13, 17.01.2017, p. 153 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b13037 | 2-(2-Methylprop-1-enyl)-4-methyltetrahydropyran | Commission Implementing Regulation (EU) 2017/57 of 14 December 2016 | OJ L 13, 17.01.2017, p. 153 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b15025 | 3,5-Dimethyl-1,2,4-trithiolane | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b16030 | 2-Methyl-4-propyl-1,3-oxathiane | Commission Implementing Regulation (EU) 2017/62 of 14 December 2016 | OJ L 13, 17.01.2017, p. 186 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b16058 | Naringin / (2S)-4H-1-Benzopyran-4-one,7-((2-O-(6- deoxy-alpha-L-mannopyranosyl)-beta-D-glucopyranosyl) oxy)-2,3-dihydro-5-hydroxy-2-(4-hydroxyphenyl) / CAS number 10236-47-2 / FLAVIS 16.058 | Commission Implementing Regulation (EU) No 870/2012 of 24 September 2012 | OJ L 257, 25.09.2012, p. 10 | 25.11.2012 | 25.11.2022 | 01.10.12 |
| 2 | b | Flavouring compounds | 2b16060 | Glycyrrhizic acid ammoniated | Commission Implementing Regulation (EU) 2017/64 of 14 December 2016 | OJ L 13, 17.01.2017, p. 242 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b16080 | Tannic acid | Commission Implementing Regulation (EU) 2017/66 of 14 December 2016 | OJ L 13, 17.01.2017, p. 259 | 06.02.2017 | 06.02.2027 | 23.01.17 |
| 2 | b | Flavouring compounds | 2b627 | Disodium 5′-guanylate | Commission Implementing Regulation (EU) 2018/238 of 15 February 2018 | OJ L 53, 23.02.2018, p. 1 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | Flavouring compounds | 2b631 | Disodium 5′-inosinate | Commission Implementing Regulation (EU) 2018/238 of 15 February 2018 | OJ L 53, 23.02.2018, p. 1 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | Flavouring compounds | 2b635 | Disodium 5′-ribonucleotide | Commission Implementing Regulation (EU) 2018/238 of 15 February 2018 | OJ L 53, 23.02.2018, p. 1 | 15.03.2018 | 15.03.2028 | 23.02.18 |
| 2 | b | Flavouring compounds | 2b920 | L-cysteine hydrochloride monohydrate [Cat; Dogs] | Commission Implementing Regulation (EU) 2015/2306 of 10 December 2015 | OJ L 326, 11.12.2015, p. 46 | 31.12.2015 | 31.12.2025 | 14.12.15 |
| 2 | b | Flavouring compounds | 2b957 | Thaumatin / Einecs: 258-822-2 | Commission Implementing Regulation (EU) No 869/2012 of 24 September 2012 | OJ L 257, 25.09.2012, p. 7 | 25.11.2012 | 25.11.2022 | 01.10.12 |
| 2 | b | Flavourings compounds | 2b959 | Neohesperidine dihydrochalcone [Piglets and pigs for fattening; Calves; Sheep;Fish; Dogs] | Commission Implementing Regulation (EU) 2015/264 of 18 February 2015 | OJ L 45, 19.02.2015, p. 10 | 11.03.2015 | 11.03.2025 | 19.02.15 |
| 2 | b | Artificial substances | E 954(iii) | Sodium saccharin [Piglets] | Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) | OJ L 124, 18.05.1991, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Abies alba* Mill., *A. sibirica* Ledeb.: Pine needle oil CAS 8021-29-2 FEMA 2905 CoE 5 EINECS 294-351-9 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| 2 | b | Natural products – botanically defined | | *Agathosma betulina*, synonyme *Barosma betulina* Bartl. et Wendl.: Buchu leaves oil CAS 68650-46-4 FEMA 2169 CoE 85 EINECS 283-474-3 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Allium cepa* L.: Onion absolute CoE 24 / Onion oleoresin CoE 24 / Onion extract CoE 24 / Onion oil CAS 8002-72-0 FEMA 2817 CoE 24 EINECS 232-498-2 / Onion tincture CoE 24 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Allium sativum* L.: Garlic oleoresin CAS 8000-78-0 CoE 26 EINECS 232-371-1 / Garlic oil CAS 8000-78-0 FEMA 2503 CoE 26 EINECS 232-371-1 / Garlic tincture CoE 26 / Garlic extract (sb) | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Althaea officinalis* L.: Althaea tincture CoE 31 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Andrographis paniculata* Nees: King of bitter extract CoE 37 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Anethum graveolens* L.: Dill herb oil CAS 8006-75-5 FEMA 2383 CoE 42 EINECS 289-790-8 / Dill tincture CoE 42 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Angelica sinensis* (Oliv.) Diels: Dong quai tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Anthemis nobilis* L.: Chamomile flower tincture CoE 48 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Apium graveolens* L.: Celery seed oil CAS 8015-90-5 FEMA 2271 CoE 52 EINECS 289-668-4 / Celery tincture CoE 52 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Arctium majus* Bernh. = *A. lappa* L.: Great burdock extract CoE 57 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Armoracia lapathifolia* Gilib. = *A. rusticana* (Gaertner) B. Meyer et Scherbius: Horseradish tincture CoE 145 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Artemisia absinthium* L.: Wormwood tincture CoE 61 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Artemisia cina* Berg.: Artemisia wormseeds tincture CoE 63 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Artemisia dracunculus* L.: Tarragon oil CAS 8016-88-4 FEMA 3043 CoE 64 EINECS 290-356-5 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Artemisia vulgaris* L.: Armoise / Mugwort oil CAS 8008-93-3 CoE 72 EINECS 284-503-2 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Astragalus membranaceus* L. = *A. pycnocladus* Boiss.et Haussk. ex Boiss.: Astragalus tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Bambusa* sp.: tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Natural products – botanically defined | | *Berberis vulgaris* L.: Barberry concentrate CoE 86 / Barberry tincture CoE 86 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Boswellia serrata* Roxb. ex Colebr.: Olibanum extract [All animal species] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Bupleurum rotundifolium* L.: Hare's ear tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Cananga odorata* (Lam.) Hook. et Thoms.: Ylang-ylang oil CAS 8006-81-3 FEMA 3119 CoE 103 EINECS 297-681-1 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Capsicum annuum* L., *C. frutescens* L.: Capsicum oleoresin CAS 8023-77-6 FEMA 2234 CoE 108 EINECS 283-256-8 / Paprika oleoresin CAS 84625-29-6 FEMA 2834 CoE 107 EINECS 283-403-6 / Capsicum extract CAS 8023-77-6 FEMA 2233 CoE 108 EINECS 283-256-8 / Capsicum / Paprika tincture CoE 107/108 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Carlina acaulis* L.: Carline thistle tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Carum carvi* L. = *Apium carv*i L.: Caraway seed oil CAS 8000-42-8 FEMA 2238 CoE 112 EINECS 288-921-6 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Castanea sativa* Mill.: Chestnut extract | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Chamomilla recutita* (L.) Rauschert.: Chamomile flower oil CAS 8022-66-2 FEMA 2273 CoE 273 EINECS 282-006-5 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Cimicifuga simplex* (Wormsk. ex DC.) Ledeb. = *C. racemosa* (L.) Nutt.: Sarashina shoma tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Cinnamomum aromaticum* Nees, *C. cassia* Nees ex Blume: Cassia oil CAS 8007-80-5 FEMA 2258 CoE 131 EINECS 284-635-0 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Cinnamomum camphora* L.: Camphor oil white CAS 8008-51-3 FEMA 2231 CoE 130 EINECS 294-760-2 / Camphor oil brown CAS 8008-51-3 CoE 130 EINECS 294-760-2 / Camphor oil yellow CAS 8008-51-3 CoE 130 EINECS 294-760-2 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Cinnamomum zeylanicum* Bl., *C. verum* J.S. Presl: Cinnamon bark oil CAS 8015-91-6 FEMA 2291 CoE 133 EINECS 283-479-0 / Cinnamon leaf oil CAS 8015-91-6 FEMA 2292 CoE 133 EINECS 284-635-0 / Cinnamon tincture CoE 133 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Citrus aurantiifolia* (Christm.) Swingle: Lime oil expressed CAS 8008-26-2 FEMA 2631 CoE 141 EINECS 290-010-3 / Lime oil expressed terpeneless CAS 68916-84-7 FEMA 2632 CoE 141 / Lime oil distilled CAS 8008- 26-2 CoE 141 EINECS 290-010-3 / Lime essence oil CoE 141 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Citrus aurantium* L. *var myrtifolia* Ker-Gawl. = *C. aurantium* L. spp. Amara var. pumilia: Bitter orange extract of whole fruit CoE 138 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Citrus aurantium* L.: Petitgrain bigarade oil CAS 8014- 17-3 FEMA 2855 CoE 136 EINECS 283-881-6 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Citrus limon* (L.) Burm.: Lemon extract CAS 84929-31-7 FEMA 2623 CoE 139 / Lemon oil distilled CAS 8008-56-8 CoE 139 EINECS 284-515-8 / Lemon oil expressed CAS 84929-31-7 FEMA 2625 CoE 139 EINECS 284-515-8 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Citrus reticulata* Blanco: Mandarin oil CAS 8008-31-9 FEMA 2657 CoE 142 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| 2 | b | Natural products – botanically defined | | *Citrus sinensis* (L.) Pers. = *C. aurantium* L. var. dulcis: Orange terpenes CAS 8028-48-6 CoE 143 EINECS 232- 433-8 / Orange oil cold pressed CAS 8028-48-6 FEMA 2825 CoE 143 EINECS 232-433-8 / Orange oil distilled CAS 68606-94- 0 FEMA 2821 CoE 143 EINECS 304-454-3 / Orange oil terpeneless CAS 8008-57-9 FEMA 2822/2826 CoE 143 EINECS 232-433-8 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Coriandrum sativum L.*: Coriander oil CAS 8008-52-4 FEMA 2334 CoE 154 EINECS 283-880-0 / extract CAS 8008-52-4 FEMA 2334 CoE 154 EINECS 283-880-0 / Coriander leaf oil CoE 154 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Crataegus oxyacantha* L.p.p. et auct.: Hawthorne tincture CoE 156 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Cuminum cyminum* L.: Cumin oil CAS 8014-13-9 FEMA 2340, 2343 CoE 161 EINECS 283-881-6 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b161 | *Cuminum cyminum* L.: Cumin tincture CoE 161 | Commission Implementing Regulation (EU) 2018/1559 of 17 October 2018 | OJ L261 50, 18.10.2018, p. 16 | 07.11.2018 | 07.11.2028 | 18.10.18 |
| 2 | b | Natural products – botanically defined | | *Curcuma longa* L.: Turmeric extract CAS 8024-37-1 FEMA 3086 CoE 163 EINECS 283-882-1 / Turmeric oleoresin CAS 84775-52-0 FEMA 3087 CoE 163 EINECS 283-882-1 / Turmeric oil CAS 8024-37-1 FEMA 3085 CoE 163 EINECS 283-882-1 / Turmeric tincture CoE 163 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Cymbopogon citratus* (DC.) Staph = *C. flexuosus* L.: Lemongrass oil CAS 8007-02-1 FEMA 2624 CoE 38 EINECS 289-752-0 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Cymbopogon nardus* (L.) W. Wats.: Citronella oil CAS 8000-29-1 FEMA 2308 CoE 39 EINECS 289-753-6 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| 2 | b | Natural products – botanically defined | | *Cynara scolymus* L.: Artichoke extract CoE 565 / Artichoke tincture CoE 565 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Cytisus scoparius* (L.) Link: Common broom tincture CoE 170 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Echinacea angustifolia* DC.: Blacksamson echinacea extract [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Echinacea angustifolia* DC.: Blacksamson echinacea tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Echinacea purpurea* (L.) Moench.: Echinacea absolute / Echinacea extract [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Echinacea purpurea* (L.) Moench.: Echinacea tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Elettaria cardamomum* (L.) Maton: Cardamom oil CAS 85940-32-5 FEMA 2240 CoE 180 EINECS 288-922-1 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Eleutherococcus senticosus* Rupr. et Maxim. = *Acanthopanax s*. Harms: Taiga root extract / Taiga root tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Equisetum arvense* L.: Horsetail tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Eschscholzia californica* Cham.: California poppy tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| 2 | b | Natural products – botanically defined | | *Eucalyptus globulus* Labill.: Eucalyptus oil CAS 8000-48-4 FEMA 2466 CoE 185 EINECS 283-406-2 / Eucalyptus tincture CoE 185 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Eugenia caryophyllus* (C. Sprengn.) Bull. = *Caryophyllus aromaticum* L. = *Syzygium aromaticum* L.: Clove leaf oil CAS 8000-34-8 FEMA 2325 CoE 188 EINECS 284-638-7 / Clove stem oil CAS 8000-34-8 FEMA 2328 CoE 188 / Clove tincture CoE 188 / Clove bud oil CAS 8000-34-8 FEMA 2323 CoE 188 EINECS 284-638-7 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Ferula assa-foetida* L. : Asafoetida extract / Asafoetida oil CAS 9000-04-8 FEMA 2108 CoE 196 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Natural products – botanically defined | | *Filipendula ulmaria* (L.) Maxim.: Dropwort tincture CoE 199 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Foeniculum vulgare* Mill.: Fennel oil bitter CAS 8006-84-6 CoE 201 EINECS 283-414-6 / Fennel oil sweet CAS 8006-84-6 FEMA 2483 CoE 200 EINECS 282-892-3 / Fennel tincture CoE 200/201 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Fucus vesiculosus* L.: Algues absolute CAS 68917-51-1 CoE 206 EINECS 283-633-7 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Garcinia cambogia* Desrouss.: Garcinia extract [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Gaultheria procumbens* L.: Wintergreen oil CAS 90045-28-6 FEMA 3113 CoE 211 EINECS 289-888-0 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Gentiana lutea* L. = *G. purpurea* L.: Gentian tincture CoE 214 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Ginkgo biloba* L.: Ginkgo extract / Ginkgo tincture [All species] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Glycyrrhiza glabra* L.: Licorice tincture CoE 218 / Licorice extract powder CAS 68916-91-6 FEMA 2629 CoE 218 EINECS 272-837-1 / Licorice extract (wb) CAS 97676-23-8 FEMA 2628 CoE 218 EINECS 272-837-1 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Gymnostemma pentaphyllum* Makino: Immortality herb tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Harpagophytum procumbens* DC.: Devil's claw / grapple extract / Devil's claw / grapple tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Hedera helix* L.: Common ivy extract | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Helianthus annuus* L.: Sunflower absolute / Sunflower oil / Sunflower tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Helianthus annuus* L.: Sunflower extract [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Humulus lupulus* L.: Hop. Tincture CoE 233 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Hypericum perforatum* L.: St. John's wort tincture CoE 234 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Illicium verum* Hook, *Anisum stellatum*: Anise star oil terpenless CAS 8007-70-3 CoE 238 EINECS 283-518-1 / Anise star tincture CoE 238 / Anise star terpenes CoE 238 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Inula helenium* L.: Elecampane root tincture CoE 240 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Juniperus communis* L.: Juniper tincture CoE 249 / Juniper berry oil CAS 8002-68-4 FEMA 2604 CoE 249 EINECS 283-268-3 / Juniper branches oil CAS 8012-91-7 CoE 249 EINECS 283-268-3 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Juniperus mexicana* Schiede: Cedarwood Texas oil | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Laurus nobilis* L.: Laurel leaves oil CAS 8002-41-3 CoE 255 EINECS 283-272-5 / Laurel tincture CoE 255 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Lavandula angustifolia* Mill., *L. angustifolia* x *L. latifolia*: Lavender oil CAS 8000-28-0 FEMA 2622 CoE 257 EINECS 289-995-2 / Lavender tincture CoE 257 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Levisticum officinale* Koch: Lovage root oil CAS 8016-31-7 FEMA 2651 CoE 261 EINECS 284-292-7 [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Linum usitatissimum* L.: Linseed tincture CoE 263 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Litsea cubeba* Pers.: Litsea cubeba berry oil CAS 68855-99-2 FEMA 3846 CoE 491 EINECS 290-018-7 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Lythrum salicaria* L.: Purple loosestrife tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Matricaria recutita. :* extract | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Melaleuca alternifolia* Cheel.: Tea tree oil CAS 68647-73-4 FEMA 3902 CoE 275 EINECS 285-377-1 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Melaleuca cajuputi* Powell = *M. leucadendron* L.: Melaleuca cajuputi oil CoE 276 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Melaleuca viridiflora* Soland ex Gaertn.: Niaouli oil | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Melissa officinalis* L.: Balm leaves oil CAS 8014-71-9 FEMA 2113 CoE 280 EINECS 282-007-0 / Melissa balm tincture CoE 280 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Melissa officinalis* L.: Balm leaves extract CAS 84082-61-1 FEMA 2112 CoE 280 EINECS 282-007-0 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Mentha arvensis* L.: Mentha arvensis oil CAS 68917-18-0 CoE 492 EINECS 290-058-5 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Mentha spicata* L.: Spearmint oil native CAS 8008- 79-5 FEMA 3032 CoE 286 (=CoE CoE 284b, 285a, 285c) EINECS 283-656-2 / Spearmint oil terpeneless CAS 8008-79-5 CoE 285 EINECS 283-656-2 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Mentha x piperita* L. = *M. aquatica* x *M. spicata* L.: Peppermint oil CAS 8006-90-4 FEMA 2848 CoE 282 EINECS 308-770-2 / Peppermint tincture CoE 282 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Momordica charantia* L.: Bitter melon tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Myristica fragrans* Houtt.: Nutmeg oil CAS 8008-45-5 FEMA 2793 CoE 296 EINECS 282-013-3 / Nutmeg oleoresin CAS 84082-68-8 CoE 296 EINECS 282-013-3 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Myroxylon balsamum* (L.) Harms *var. pereirae*: / Balsam Peru oil CAS 8007-00-9 FEMA 2117 CoE 298 EINECS 232-352-8 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Ocimum basilicum* L.: Basil tincture CoE 308 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Olea europaea* L.: Olive extract | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Origanum majorana* L. = *Majorana hortensis* Moench.: Marjoram oil sweet CAS 8015-01-8 FEMA 2663 CoE 316 EINECS 282-004-4 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Origanum vulgare* L., *Lippia* ssp.: Oregano oil CoE 317 / Oregano tincture CoE 317 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Paeonia lactiflora* Pall. = *P. albiflora* Pall.: Chinese peony tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Panax ginseng* C. A. Mey.: Ginseng extract CoE 318 [Cat and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Panax ginseng* C. A. Mey.: Ginseng tincture CoE 318 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Passiflora edulis* Sims. = *P. incarnata* L.: Passionfruit tincture CoE 321 ; Passionfruit extract (sb)[4] CoE 321 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.04.06 |
| 2 | b | Natural products – botanically defined | | *Pelargonium graveolens* L'Herit. ex Ait.: Geranium rose oil CAS 8000-46-2 FEMA 2508 CoE 324 EINECS 290-140-0 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

[4] (sb) = solvent based

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Petroselinum sativum* Hoffm. = *P. crispum* Mill. = *P. hortense* L.: Parsley leaf oil CAS 8000-68-8 FEMA 2836 CoE 326 EINECS 281-677-1 / Parsley seed oil CAS 8000-68-8 CoE 326 EINECS 281-677-1 / Parsley tincture CoE 326 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Peumus boldus* Mol.: Boldo absolute CoE 328 / Boldo oil CoE 328 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Pimenta dioica* L. Merr. = *P. officinalis* Lind L.: Allspice oil CAS 8006-77-7 FEMA 2018 CoE 335 EINECS 284-540-4 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Pimpinella anisum* L.: Anise oil CAS 84775- 42-8 FEMA 2094 CoE 336 EINECS 283-872-7 / Anise tincture CoE 336 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Pinus pinaster* Soland.: Pine tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Pinus spp.*, e.g. *P. sylvestris* L.: Pine oil white CAS 8002-09-3 CoE 340 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Pinus spp.*, e.g. *P. sylvestris* L.: Pine tincture CoE 340 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Piper nigrum* L.: Pepper absolute black CAS 8006-82-4 CoE 347 EINECS 284-524-7 / Pepper oil black CAS 8006-82-4 FEMA 2845 CoE 347 EINECS 284-524-7 / Pepper oil white CAS 8006-82-4 FEMA 2851 CoE 347 EINECS 284-524-7 / Pepper oleoresin / extract black CAS 84929-41-9 FEMA 2846 CoE 347 EINECS 284-524-7 / Pepper oleoresin white CAS 84929-41-9 FEMA 2852 CoE 347 EINECS 284-524-7 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Plantago ovata* L.: Fleawort absolute [Cats and dogs] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Pogostemon cablin* (Blanco) Benth.: Patchouli oil CAS 8014-09- 3 FEMA 2838 CoE 353 EINECS 282-493-4 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Potentilla erecta* L.; synonyme Potentilla tormentilla Stokes: Tormentill tincture CoE 493 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Punica granatum* L.: Pomegranate bark extract CAS 84961-57-9 FEMA 2918 CoE 381 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Quercus robur* L., Q. *pedunculata* Ehrh.: Oak wood english cresote / extract CAS 71011-28-4 CoE 390 EINECS 275-129-0 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Quillaja saponaria* Molina: Quillaia extract (wb) CoE 391 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Subject to the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003 | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Rosa canina* L.: Rose tincture CoE 403 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Rosmarinus officinalis* L.: Rosemary oil CAS 8000-25-7 FEMA 2992 CoE 406 EINECS 283-291-9 / Rosemary oleoresin / Rosemary extract CAS 84604-14- 8 CoE 406 EINECS 283-291-9 / Rosemary tincture CoE 406 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Rubus spp.*, (e.g. *Rubus fructicosus* L.): Blackberry tincture CoE 408 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Salix alba* L.: White willow extract / White willow tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Salvia lavandulifolia* Vahl: Spanish sage oil CAS 8016- 65-7 FEMA 3003 CoE 413 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Salvia officinalis* L.: Sage oil CAS 8022-56-8 FEMA 3001 CoE 414 EINECS 283-291-0 / Sage tincture CoE 414 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Salvia sclarea* L.: Clary sage oil CAS 8016-63-5 FEMA 2321 CoE 415 EINECS 283-911-8 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Sambucus canadensis* L., *S. nigra* L.: Elder flowers / Elderberry tincture CoE 417 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Satureja hortensis* L.: Savory summer oil CAS 8016-68-0 FEMA 3013 CoE 425 EINECS 283-922-8 / Savory summer tincture CoE 425 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Schinopsis Balansae:* quebracho colorado condensed tannins extract CAS 1401-55-04 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 08.11.07 |
| 2 | b | Natural products – botanically defined | | *Schisandra chinensis* (Turcz.) Baill.: Omicha tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Silybum marianum* (L.) Gaertn. = *Carduus marianus* L.: Milk thistle extract CoE 551 / Milk thistle tincture CoE 551 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Solidago virgaurea* L.: Goldenrot tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Stevia rebaudiana* (Bertoni) Hemsl.: Stevia extract CoE 552 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Tabebuia impetiginosa* (Mart. ex DC.) Toledo: Pau d'arco tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Tanacetum vulgare* L.: Tansy tincture CoE 446 / Tansy extract (wb) | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Taraxacum officinale* Wiggers: Dandelion root solid extract CAS 68990-74-9 FEMA 2358 CoE 447 EINECS 273-624-6 / Dandelion leaves solid extract CoE 447 / Dandelion fluid extract CAS 68990-74-9 FEMA 2357 CoE 447 EINECS 273-624-6 / Dandelion tincture CAS 68990-74-9 FEMA 2357 EINECS 273-624-6 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Thea sinensis* L. = *Camellia thea* Link. = *Camellia sinensis* (L.) O. Kuntze: Tea extract CAS 84650-60-2 CoE 451 EINECS 283-519-7 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Theobroma cacao* L.: Cocoa absolute CoE 452 / Cocoa extract CAS 84649-99-0 CoE 452 EINECS 283-460-6 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Thymus capitatus* Hoffm. & Link. = *Coridothymus capitatus* L.: Thymus, Origanum oil CAS 8007-11-2 FEMA 2828 CoE 454 EINECS 290-371-1 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Thymus mastichina* L.: Spanish marjoram oil CAS 8016-33-9 EINECS 284-294-8 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Thymus serpyllum* L.: Wild thyme tincture CoE 455 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Thymus vulgaris* L., *T. zygis* L.: Thyme oil CAS 8007- 46-3 FEMA 3064 CoE 456/457 EINECS 284-535-7 / oleoresin CAS 8007-46-3 CoE 456/457 EINECS 284-535-7 / Thyme oleoresin red CAS 8007- 46-3 CoE 456/457 EINECS 284-535-7 / Thyme oleoresin grey CoE / Thyme oil red CAS 8007-46- 3 CoE 456 EINECS 284-535-7 / Thyme oil white CAS 8007-46-3 FEMA 3065 CoE 457 EINECS 284-535-7 / Thyme extract / Thyme tincture CoE 456/457 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Trachyspermum ammi* (L.) Sprag. et Turr.: Ajowan oil | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Trigonella foenum-graecum* L.: Fenugreek absolute CAS 84625-40-1 FEMA 2486 CoE 460 EINECS 283-415-1 / Fenugreek extract CAS 84625-40-1 FEMA 2485 CoE 460 EINECS 283-415-1 / Fenugreek oleoresin CAS 84625-40-1 FEMA 2486 CoE 460 EINECS 283-415-1 / Fenugreek tincture CoE 460 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Urtica dioica* L.: Common nettle extract CoE 468 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Urtica urens* L.: Dwarf nettle tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Vaccinium myrtillus* L.: Blueberry tincture CoE 469 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Valeriana officinalis* L.: Valerian root extract CAS 92927-02-1 FEMA 3099 CoE 473 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 2 | b | Natural products – botanically defined | | *Vanilla planifolia* G.Jacks. = *V. fragrans* Salisb.: Vanilla extract CAS 8024-06-4 FEMA 3105 CoE 474 EINECS 283-521-8 / Vanilla tincture CoE 474 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Viburnum prunifolium* L.: Black snow ball tincture CoE 480 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Vitex agnus-castus* L.: Lilac chastetree tincture / Lilac chastetree extract | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Vitis vinifera* L.: Grape skin extract CoE 485 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Flavouring compounds | 2b485 | *Vitis vinifera spp. Vinifera*: Dry grape extract (mixture of seed and skin extract); CoE 485; CAS number 85594-37-2; FEMA 4045 [All animal species except dogs] | Commission Implementing Regulation (EU) 2017/307 of 21 February 2017 | OJ L 44, 22.02.2017, p. 1 | 14.03.2017 | 14.03.2027 | 22.02.17 |
| 2 | b | Natural products – botanically defined | | *Withania somnifera* (L.) Dunal. = *Physalis somnifera* Link: Ashwagandha tincture | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Yucca mohavensis* Sarg. = *Y. schidigera* Roezl ex Ortgies | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 2 | b | Natural products – botanically defined | | *Zingiber officinale* Rosc.: Ginger oleoresin CAS 84696-15-1 FEMA 2523 CoE 489 EINECS 283-634-2 / Ginger oil CAS 8007-08-7 FEMA 2522 CoE 489 EINECS 283-634-2 / Ginger tincture CoE 489 | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a672a | Retinyl acetate, or **Vitamin A** [Piglets (suckling and weaned); Pigs for fattening; Sows; Other pigs; Chickens and minor poultry species; Turkeys; Other poultry; Dairy cows and cows for reproduction; Calves for rearing; Other calves and cows; Lambs and kids for rearing; Cattle, sheep and goats for fattening; Other bovines, sheep and goats; Mammals; Other animal species] | Commission Implementing Regulation (EU) No 2015/724 of 5 May 2015 | OJ L 115, 06.05.2015, p. 25 | 26.05.2015 | 26.05.2025 | 06.05.15 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a672b | Retinyl palmitate or **Vitamin A** [Piglets (suckling and weaned); Pigs for fattening; Sows; Other pigs; Chickens and minor poultry species; Turkeys; Other poultry; Dairy cows and cows for reproduction; Calves for rearing; Other calves and cows; Lambs and kids for rearing; Cattle, sheep and goats for fattening; Other bovines, sheep and goats; Mammals; Other animal species] | Commission Implementing Regulation (EU) No 2015/724 of 5 May 2015 | OJ L 115, 06.05.2015, p. 25 | 26.05.2015 | 26.05.2025 | 06.05.15 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a672c | Retinyl propionate or **Vitamin A** [Piglets (suckling and weaned); Pigs for fattening; Sows; Other pigs; Chickens and minor poultry species; Turkeys; Other poultry; Dairy cows and cows for reproduction; Calves for rearing; Other calves and cows; Lambs and kids for rearing; Cattle, sheep and goats for fattening; Other bovines, sheep and goats; Mammals; Other animal species] | Commission Implementing Regulation (EU) No 2015/724 of 5 May 2015 | OJ L 115, 06.05.2015, p. 25 | 26.05.2015 | 26.05.2025 | 06.05.15 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a820 | Thiamine hydrochloride or **Vitamin B1** | Commission Implementing Regulation (EU) 2015/897 of 11 June 2015 | OJ L 147 12.06.2015, p. 8 | 02.07.2015 | 02.07.2025 | 12.06.2015 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a821 | Thiamine mononitrate or **Vitamin B1** | Commission Implementing Regulation (EU) 2015/897 of 11 June 2015 | OJ L 147 12.06.2015, p. 8 | 02.07.2015 | 02.07.2025 | 12.06.2015 |

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|---|---|---|---|---|---|---|---|---|---|
| 3 | a | Vitamins and provitamins | | **Vitamin B2** / Riboflavin (With the exception of Riboflavin (80 %) produced by *Bacillus subtilis* KCCM-10445) | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) / Commission Implementing Regulation (EU) 2018/1254 of 19 September 2018, **DENIAL** of authorisation of riboflavin (80 %) produced by *Bacillus subtilis* KCCM-10445 | OJ L 245, 12.09.1985, p. 1 / Denial in OJ L 237 of 20.09.2018 p. 5 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2019/901 of 29 May 2019 / Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/1254 of 19 September 2018, DENIAL of author isation of riboflavin (80 %) produced by *Bacillus subtilis* KCCM-10445 | 07.11.05 |
| 3 | a | Vitamins and provitamins | | **Vitamin B2** / Riboflavin-5'-phosphate ester monosodium salt | Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) | OJ L 245, 12.09.1985, p. 1 | - | Transitional measures in article 2 of Commission Implementing Regulation (EU) 2019/901 of 29 May 2019 | 07.11.05 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a825i | 'Riboflavin' or 'Vitamin $B_2$':<br>- produced by *Ashbya gossypii* DSM 23096<br>- solid form produced by *Ashbya gossypii* DSM 23096 | Commission Implementing Regulation (EU) 2019/901 of 29 May 2019 | OJ L 144, 03.06.2019, p. 41 | 23.06.2019 | 23.06.2029 | 03.06.19 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a825ii | 'Riboflavin' or 'Vitamin $B_2$':<br>- solid form produced by *Bacillus subtilis* DSM 17339 and/or DSM 23984 | Commission Implementing Regulation (EU) 2019/901 of 29 May 2019 | OJ L 144, 03.06.2019, p. 41 | 23.06.2019 | 23.06.2029 | 03.06.19 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a 826 | 'Riboflavin 5′- phosphate monosodium salt' or 'Vitamin $B_2$' produced after phosphorylation of riboflavin 98 % produced by Bacillus subtilis DSM 17339 and/or DSM 23984 | Commission Implementing Regulation (EU) 2019/901 of 29 May 2019 | OJ L 144, 03.06.2019, p. 41 | 23.06.2019 | 23.06.2029 | 03.06.19 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a831 | **Vitamin $B_6$** / pyridoxine hydrochloride | Commission Implementing Regulation (EU) No 515/2011 of 25 May 2011 | OJ L 138, 26.05.2011, p. 40 | 15.06.2011 | 15.06.2021 | 26.05.11 |
| 3 | a | Vitamins and provitamins | | **Vitamin $B_{12}$** / Cyanocobalamin | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a300 | Ascorbic acid or **Vitamin C** | Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015 | OJ L 174, 03.07.2015, p. 8 | 23.07.2015 | 23.07.2025 | 04.08.15 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a311 | Sodium ascorbyl phosphate or **Vitamin C** | Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015 | OJ L 174, 03.07.2015, p. 8 | 23.07.2015 | 23.07.2025 | 04.08.15 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a312 | Sodium calcium ascorbyl phosphate or **Vitamin C** | Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015 | OJ L 174, 03.07.2015, p. 8 | 23.07.2015 | 23.07.2025 | 04.08.15 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | a | Vitamins and provitamins | E 671 | **Vitamin D** / Vitamin $D_3$ [Pigs; Piglets; Bovines; Ovines; Calves; Equines; Chickens for fattening; Turkeys; Other poultry; Other species or categories of animals with the exception of fish] | Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) | OJ L 124, 18.05.1991, p. 1 | - | Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1492 of 21 August 2017 | 07.11.05 |
| 3 | a | Vitamins and provitamins | E 671 | **Vitamin D** / Vitamin $D_3$ [Fish] | Commission Directive of 9 September 1991 amending die Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/508/EEC) | OJ L 271, 27.09.1991, p. 67 | - | Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1492 of 21 August 2017 | 07.11.05 |
| 3 | a | Vitamins and provitamins | 3a671 | 'Cholecalciferol' or 'Vitamin $D_3$' [Pigs; Milk replacers for piglets; Bovines; Milk replacers for calves; Ovines; Chickens for fattening; Turkeys; Other poultry; Equines; Fish species; Other species] | Commission Implementing Regulation (EU) 2017/1492 of 21 August 2017 / Amended by Commission Implementing Regulation (EU) 2019/849 of 24 May 2019 | OJ L 216, 22.08.2017, p. 19 / *Amended by* OJ L 139 of 27.05.2019 p. 4 | 11.09.2017 | 11.09.2027 | 23.08.17 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a670a | **Vitamin D** / Stabilised form of 25-hydroxycholecalciferol; CAS number: 63283-36-3 [Chickens for fattening; Turkeys for fattening; Other poultry; Pigs] | Reg. (EC) No 887/2009 of 25 September 2009 | OJ L 254, 26.09.2009, p. 68 | 16.10.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 28.09.09 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a841 | **Calcium-D-pantothenate** | Commission Implementing Regulation (EU) No 669/2014 of 18 June 2014 / *Corrigendum* in OJ L 281 of 25.09.2014 p. 9 | OJ L 179, 19.06.2014, p. 62 / *Corrigendum* OJ L 281 of 25.09.2014 p. 9 | 19.06.2014 | 09.07.2024 | 20.06.2014 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a842 | **D-panthenol** | Commission Implementing Regulation (EU) No 669/2014 of 18 June 2014 / *Corrigendum* in OJ L 281 of 25.09.2014 p. 9 | OJ L 179, 19.06.2014, p. 62 / *Corrigendum* OJ L 281 of 25.09.2014 p. 9 | 19.06.2014 | 09.07.2024 | 20.06.2014 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a700 | **Vitamin E** or all-rac-alpha-tocopheryl acetate or RRR-alpha-tocopheryl acetate or RRR alpha tocopherol [All species] | Reg. (EU) No 26/2011 of 14 January 2011 / *Correction* in Commission Implementing Regulation (EU) 2015/1747 of 30 September 2015 | OJ L 11, 15.01.2011, p. 18 / *Correction* in OJ L 256, 01.10.2015, p. 7 | 04.02.2011 | 04.02.2021 | 17.01.11 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a710 | Menadione sodium bisulphite or Vitamin $K_3$ | Commission Implementing Regulation (EU) 2015/2307 of 10 December 2015 | OJ L 329, 11.12.2015, p. 49 | 31.12.2015 | 31.12.2025 | 14.12.15 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a711 | Menadione nicotinamide bisulphite or Vitamin $K_3$ | Commission Implementing Regulation (EU) 2015/2307 of 10 December 2015 | OJ L 329, 11.12.2015, p. 49 | 31.12.2015 | 31.12.2025 | 14.12.15 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a920 | **Betaine** anhydrous | Commission Implementing Regulation (EU) 2015/1060 of 2 July 2015 | OJ L 174, 03.07.2015, p. 3 | 23.07.2015 | 23.07.2025 | 04.08.15 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a921 | Betaine anhydrous produced from genetically modified sugar beet | Commission Implementing Regulation (EU) 2015/1060 of 2 July 2015 | OJ L 174, 03.07.2015, p. 3 | 23.07.2015 | 23.07.2025 | 04.08.15 |
| 3 | c | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a921i | Betaine anhydrous produced from genetically modified sugar beet [food-producing animals except rabbits] | Commission Implementing Regulation (EU) 2019/9 of 3 January 2019 | OJ L 2, 04.01.2019 p. 10 | 24.01.2019 | 24.01.2029 | 23.01.19 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a925 | **Betaine** hydrochloride | Commission Implementing Regulation (EU) 2015/1060 of 2 July 2015 | OJ L 174, 03.07.2015, p. 3 | 23.07.2015 | 23.07.2025 | 04.08.15 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a880 | **Biotin** | Commission Implementing Regulation (EU) No 2015/723 of 5 May 2015 | OJ L 115, 06.05.2015, p. 22 | 26.05.2015 | 26.05.2025 | 06.05.15 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having a similar effect | 3a910 | **L-carnitine** | Commission Implementing Regulation (EU) 2015/662 of 28 April 2015 | OJ L 110, 29.04.2015, p. 5 | 19.05.2015 | 19.05.2025 | 04.05.15 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having a similar effect | 3a911 | **L-carnitine L-tartrate** (LCLT) | Commission Implementing Regulation (EU) 2015/662 of 28 April 2015 | OJ L 110, 29.04.2015, p. 5 | 19.05.2015 | 19.05.2025 | 04.05.15 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a890 | **Choline chloride** | Commission Implementing Regulation (EU) No 795/2013 of 21 August 2013 | OJ L 224, 22.08.2013, p. 1 | 11.09.2013 | 11.09.2023 | 28.08.13 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a316 | **Folic acid** | Commission Implementing Regulation (EU) No 803/2013 of 22 August 2013 | OJ L 225, 23.08.2013, p. 17 | 12.09.2013 | 12.09.2023 | 28.08.13 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a314 | **Niacin** | Commission Implementing Regulation (EU) No 642/2013 of 4 July 2013 | OJ L 186, 05.07.2013, p. 4 | 25.07.2013 | 25.07.2023 | 05.07.13 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a315 | **Niacinamide** | Commission Implementing Regulation (EU) No 642/2013 of 4 July 2013 | OJ L 186, 05.07.2013, p. 4 | 25.07.2013 | 25.07.2023 | 05.07.13 |
| 3 | a | Vitamins, pro-vitamins and chemically well-defined substances having similar effect | 3a370 | **Taurine** [Canidae, Felidae, Mustelidae and carnivorous fish] | COMMISSION IMPLEMENTING REGULATION (EU) 2015/722 of 5 May 2015 | OJ L 115, 06.05.2015, p. 18 | 26.05.2015 | 26.5.2025 | 06.05.15 |
| 3 | a | Chemically well defined substances having a similar biological effect to vitamins | | **Omega-6 Essential Unsaturated Fatty acids** (as octadecadienoic acid) [Pigs for fattening; Sows for reproduction; Sows, in order to have benefit in piglets; Cows for reproduction; Dairy cows for milk production] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) | OJ C 50, 25.02.2004, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a900 | **Inositol** [Fish and crustacean] | Commission Implementing Regulation (EU) No 1249/2014 of 21 November 2014 | OJ L 335, 22.11.2014, p. 7 | 12.12.2014 | 12.12.2024 | 28.11.14 |
| 3 | a | Vitamins, provitamins and chemically well-defined substances having similar effect | 3a160(a) | **Beta-carotene** | Commission Implementing Regulation (EU) No 2015/1103 of 8 July 2015 | OJ L 181, 09.07.2015, p. 57 | 29.07.2015 | 29.07.2025 | 04.08.15 |
| 3 | b | Compounds of trace elements | 3b101 | Iron(II) carbonate (siderite) [All animal species except piglets, calves, chicken up to 14 days and turkey up to 28 days] | Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202 / Corrigendum HR in OJ L 37 HR 08.02.2019, p. 111 / Corrigendum FR in OJ L 37 FR 08.02.2019, p. 111 / Corrigendum CS in OJ L 37 CS 08.02.2019, p. 111 | OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 FR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 CS 08.02.2019, p. 111 | 04.01.2018 | 04.01.2028 | 30.01.18 |
| 3 | b | Compounds of trace elements | 3b102 | Iron(III) chloride hexahydrate [All animal species] | Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202 / Corrigendum HR in OJ L 37 HR 08.02.2019, p. 111 / Corrigendum FR in OJ L 37 FR 08.02.2019, p. 111 / Corrigendum CS in OJ L 37 CS 08.02.2019, p. 111 | OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 FR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 CS 08.02.2019, p. 111 | 04.01.2018 | 04.01.2028 | 30.01.18 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | b | Compounds of trace elements | 3b103 | Iron(II) sulphate monohydrate [All animal species] | Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202 / Corrigendum HR in OJ L 37 HR 08.02.2019, p. 111 / Corrigendum FR in OJ L 37 FR 08.02.2019, p. 111 / Corrigendum CS in OJ L 37 CS 08.02.2019, p. 111 | OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 FR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 CS 08.02.2019, p. 111 | 04.01.2018 | 04.01.2028 | 30.01.18 |
| 3 | b | Compounds of trace elements | 3b104 | Iron(II) sulphate heptahydrate [All animal species] | Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202 / Corrigendum HR in OJ L 37 HR 08.02.2019, p. 111 / Corrigendum FR in OJ L 37 FR 08.02.2019, p. 111 / Corrigendum CS in OJ L 37 CS 08.02.2019, p. 111 | OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 FR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 CS 08.02.2019, p. 111 | 04.01.2018 | 04.01.2028 | 30.01.18 |

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| 3 | b | Compounds of trace elements | 3b105 | Iron(II) fumarate [All animal species] | Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202 / Corrigendum HR in OJ L 37 HR 08.02.2019, p. 111 / Corrigendum FR in OJ L 37 FR 08.02.2019, p. 111 / Corrigendum CS in OJ L 37 CS 08.02.2019, p. 111 | OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 FR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 CS 08.02.2019, p. 111 | 04.01.2018 | 04.01.2028 | 30.01.18 |
| 3 | b | Compounds of trace elements | 3b106 | Iron(II) chelate of amino acids hydrate [All animal species] | Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202 / Corrigendum HR in OJ L 37 HR 08.02.2019, p. 111 / Corrigendum FR in OJ L 37 FR 08.02.2019, p. 111 / Corrigendum CS in OJ L 37 CS 08.02.2019, p. 111 | OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 FR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 CS 08.02.2019, p. 111 | 04.01.2018 | 04.01.2028 | 30.01.18 |

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| 3 | b | Compounds of trace elements | 3b107 | Iron(II) chelate of protein hydrolysates [All animal species] | Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202 / Corrigendum HR in OJ L 37 HR 08.02.2019, p. 111 / Corrigendum FR in OJ L 37 FR 08.02.2019, p. 111 / Corrigendum CS in OJ L 37 CS 08.02.2019, p. 111 | OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 FR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 CS 08.02.2019, p. 111 | 04.01.2018 | 04.01.2028 | 30.01.18 |
| 3 | b | Compounds of trace elements | 3b108 | Iron(II) chelate of glycine hydrate [All animal species] | Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202 / Corrigendum HR in OJ L 37 HR 08.02.2019, p. 111 / Corrigendum FR in OJ L 37 FR 08.02.2019, p. 111 / Corrigendum CS in OJ L 37 CS 08.02.2019, p. 111 | OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 FR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 CS 08.02.2019, p. 111 | 04.01.2018 | 04.01.2028 | 30.01.18 |

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| 3 | b | Compounds of trace elements | 3b110 | Iron dextran 10% [All animal species] | Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 / Corrigendum in OJ L 351 30.12.2017, p. 202 / Corrigendum HR in OJ L 37 HR 08.02.2019, p. 111 / Corrigendum FR in OJ L 37 FR 08.02.2019, p. 111 / Corrigendum CS in OJ L 37 CS 08.02.2019, p. 111 | OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 HR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 FR 08.02.2019, p. 111 / *Corrigendum* OJ L 37 CS 08.02.2019, p. 111 | 04.01.2018 | 04.01.2028 | 30.01.18 |
| 3 | b | Trace elements | E 1 | **Iron – Fe,** Ferric chloride, hexahydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrected by Reg.(EC) No 2112/2003 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / Amended by Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / OJ L 317, 02.12.2003, p. 22 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 | - | Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | b | Trace elements | E 1 | **Iron – Fe**, Ferric oxide | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrected by Reg.(EC) No 2112/2003 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / **Authorisation DENIED** by Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / OJ L 317, 02.12.2003, p. 22 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 | - | Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | 07.11.05 |
| 3 | b | Trace elements | E 1 | **Iron – Fe**, Ferrous carbonate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrected by Reg.(EC) No 2112/2003 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / Amended by Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / OJ L 317, 02.12.2003, p. 22 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 | - | Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | b | Trace elements | E 1 | **Iron – Fe**, Ferrous chelate of amino acids, hydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrected by Reg.(EC) No 2112/2003 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / Amended by Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / OJ L 317, 02.12.2003, p. 22 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 | - | Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | 07.11.05 |
| 3 | b | Trace elements | E 1 | **Iron – Fe**, Ferrous chelate of glycine, hydrate | Reg. (EC) No 479/2006 / Amended by Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | OJ L 86, 24.03.2006, p. 4 / *Amended by* OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 | - | Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | 24.04.06 |
| 3 | b | Trace elements | E 1 | **Iron – Fe**, Ferrous fumarate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrected by Reg.(EC) No 2112/2003 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / Amended by Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / OJ L 317, 02.12.2003, p. 22 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 | - | Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | b | Trace elements | E 1 | **Iron – Fe,** Ferrous sulphate, heptahydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrected by Reg.(EC) No 2112/2003 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / Amended by Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / OJ L 317, 02.12.2003, p. 22 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 | - | Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | 07.11.05 |
| 3 | b | Trace elements | E 1 | **Iron – Fe**, Ferrous sulphate, monohydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / Corrected by Reg.(EC) No 2112/2003 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / Amended by Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 / Corrigendum in OJ L 351 30.12.2017, p. 202 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / OJ L 317, 02.12.2003, p. 22 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 333, 15.12.2017, p. 41 / *Corrigendum* OJ L 351 30.12.2017, p. 202 | - | Transitional measures in article 6 of Commission Implementing Regulation (EU) 2017/2330 of 14 December 2017 in OJ L 333, 15.12.2017, p. 41 | 07.11.05 |
| 3 | b | Compounds of trace elements | 3b201 | Potassium iodide | Commission Implementing Regulation (EU) 2015/861 of 3 June 2015 | OJ L 137, 04.06.2015, p. 1 | 24.06.2015 | 24.06.2025 | 04.06.15 |
| 3 | b | Compounds of trace elements | 3b202 | Calcium iodate, anhydrous | Commission Implementing Regulation (EU) 2015/861 of 3 June 2015 | OJ L 137, 04.06.2015, p. 1 | 24.06.2015 | 24.06.2025 | 04.06.15 |
| 3 | b | Compounds of trace elements | 3b203 | Coated granulated calcium iodate, anhydrous | Commission Implementing Regulation (EU) 2015/861 of 3 June 2015 | OJ L 137, 04.06.2015, p. 1 | 24.06.2015 | 24.06.2025 | 04.06.15 |
| 3 | b | Compound of trace elements | 3b301 | Cobalt(II) acetate tetrahydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals] | Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013 / *Amended by* Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 | OJ L 172, 25.06.2013, p. 14 / *Corrigendum DE* OJ L 179 DE, 29.06.2013, p. 105 / *Amended by* OJ L 41, 12.02.2014, p. 3 | 15.07.2013 | 15.07.2023 / Transitional measures in article 2 of Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 | 25.06.13 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | b | Compound of trace elements | 3b302 | Cobalt(II) carbonate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals] | Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013 / *Amended by* Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 | OJ L 172, 25.06.2013, p. 14 / *Corrigendum DE* OJ L 179 DE, 29.06.2013, p. 105 / *Amended by* OJ L 41, 12.02.2014, p. 3 | 15.07.2013 | 15.07.2023 / Transitional measures in article 2 of Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 | 25.06.13 |
| 3 | b | Compound of trace elements | 3b303 | Cobalt(II) carbonate hydroxide (2:3) monohydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals] | Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013 / *Amended by* Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 | OJ L 172, 25.06.2013, p. 14 / *Corrigendum DE* OJ L 179 DE, 29.06.2013, p. 105 / *Amended by* OJ L 41, 12.02.2014, p. 3 | 15.07.2013 | 15.07.2023 / Transitional measures in article 2 of Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 | 25.06.13 |
| 3 | b | Compound of trace elements | 3b304 | Coated granulated cobalt(II) carbonate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals] | Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 | OJ L 41, 12.02.2014, p. 3 | 15.07.2013 | 15.07.2023 | 12.02.14 |
| 3 | b | Compound of trace elements | 3b305 | Cobalt(II) sulphate, heptahydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals] | Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013 / *Amended by* Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 | OJ L 172, 25.06.2013, p. 14 / *Corrigendum DE* OJ L 179 DE, 29.06.2013, p. 105 / *Amended by* OJ L 41, 12.02.2014, p. 3 | 15.07.2013 | 15.07.2023 / Transitional measures in article 2 of Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 | 25.06.13 |
| 3 | b | Compound of trace elements | 3b401 | Copper(II) diacetate monohydrate | Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 186, 24.07.2018, p. 3 | 13.08.2018 | 13.08.2028 | 24.07.18 |
| 3 | b | Compound of trace elements | 3b402 | Copper(II) carbonate dihydroxy monohydrate | Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 186, 24.07.2018, p. 3 | 13.08.2018 | 13.08.2028 | 24.07.18 |
| 3 | b | Compound of trace elements | 3b403 | Copper(II) chloride dihydrate | Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 186, 24.07.2018, p. 3 | 13.08.2018 | 13.08.2028 | 24.07.18 |
| 3 | b | Compound of trace elements | 3b404 | Copper(II) oxide | Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 186, 24.07.2018, p. 3 | 13.08.2018 | 13.08.2028 | 24.07.18 |
| 3 | b | Compound of trace elements | 3b405 | Copper(II) sulphate pentahydrate | Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 186, 24.07.2018, p. 3 | 13.08.2018 | 13.08.2028 | 24.07.18 |
| 3 | b | Compound of trace elements | 3b406 | Copper(II) chelate of amino acids hydrate | Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 186, 24.07.2018, p. 3 | 13.08.2018 | 13.08.2028 | 24.07.18 |
| 3 | b | Compound of trace elements | 3b407 | Copper(II) chelate of protein hydrolysates | Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 186, 24.07.2018, p. 3 | 13.08.2018 | 13.08.2028 | 24.07.18 |
| 3 | b | Compound of trace elements | 3b413 | Copper(II) chelate of glycine hydrate (solid) | Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 186, 24.07.2018, p. 3 | 13.08.2018 | 13.08.2028 | 24.07.18 |
| 3 | b | Compound of trace elements | 3b414 | Copper(II) chelate of glycine hydrate (liquid) | Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 186, 24.07.2018, p. 3 | 13.08.2018 | 13.08.2028 | 24.07.18 |

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|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | b | Trace elements | E 4 | **Copper – Cu**, Basic cupric carbonate, monohydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / *Corrigendum* / *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 186, 24.07.2018, p. 3 | - | Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | 07.11.05 |
| 3 | b | Trace elements | E 4 | **Copper – Cu**, Cupric acetate, monohydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / *Corrigendum* / *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 186, 24.07.2018, p. 3 | - | Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | 07.11.05 |
| 3 | b | Trace elements | E 4 | **Copper – Cu**, Cupric chelate of amino acids hydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / *Corrigendum* / *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 186, 24.07.2018, p. 3 | - | Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | 07.11.05 |
| 3 | b | Trace elements | E 4 | **Copper – Cu**, Cupric chloride, dihydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / *Corrigendum* / *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 186, 24.07.2018, p. 3 | - | Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | 07.11.05 |

| Category (Annex I of Reg. 1831/03) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| 3 | b | Trace elements | E 4 | **Copper – Cu**, Cupric oxide | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / *Corrigendum* / *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 186, 24.07.2018, p. 3 | - | Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | 07.11.05 |
| 3 | b | Trace elements | E 4 | **Copper – Cu**, Cupric sulphate, pentahydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / *Corrigendum* / *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 / *Amended by* OJ L 186, 24.07.2018, p. 3 | - | Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | 07.11.05 |
| 3 | b | Trace elements | E 4 | **Copper – Cu**, Cupric chelate of glycine, hydrate | Reg. (EC) No 479/2006/ *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 86, 24.03.2006, p. 4 / *Amended by* OJ L 186, 24.07.2018, p. 3 | - | Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | 24.04.06 |
| 3 | b | Compound of trace elements | 3b409 | Dicopper chloride trihydroxide | Commission Implementing Regulation (EU) No 269/2012 of 26 March 2012 / *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 89, 27.03.2012, p. 3 / *Amended by* OJ L 186, 24.07.2018, p. 3 | 16.04.2012 | 16.04.2022 / Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | 27.03.12 |
| 3 | b | Compound of trace elements | 3b4.10 | Copper chelate of hydroxy analogue of methionine [All species] | Reg. (EU) No 349/2010 of 23 April 2010 / *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 104, 24.04.2010, p. 31 / *Amended by* OJ L 186, 24.07.2018, p. 3 | 14.05.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 28.04.10 |
| 3 | b | Compound of trace elements | 3b411 | Copper bilysinate | Commission Implementing Regulation (EU) No 1230/2014 of 17 November 2014 / *Amended by* Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | OJ L 331, 18.11.2014, p.18 / *Amended by* OJ L 186, 24.07.2018, p. 3 | 08.12.2014 | 08.12.2024 / Transitional measures in article 9 of Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 | 18.11.14 |
| 3 | b | Compound of trace elements | 3b412 | Copper (I) oxide | Commission Implementing Regulation (EU) 2016/2261 of 15 December 2016 | OJ L 342, 16.12.2016, p.18 | 05.01.2017 | 05.01.2027 | 19.12.16 |

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|---|---|---|---|---|---|---|---|---|---|
| 3 | b | Trace elements | E 5 | **Manganese – Mn**, Manganese chelate of amino acids hydrate | Commission Regulation (EC) No 2316/98 of 26 October 1998 / amended by Reg. (EC) No 1334/2003 / *Corrigendum* | OJ L 289, 28.10.1998, p.4 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 | - | Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | 07.11.05 |
| 3 | b | Compound of trace elements | 3b504 | Manganese chelate of amino acids hydrate | Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | OJ L 216, 22.08.2017, p.1 | 11.09.2017 | 11.09.2027 | 22.08.17 |
| 3 | b | Trace elements | E 5 | **Manganese – Mn**, Manganous chloride, tetrahydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / *Corrigendum* | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 | - | Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | 07.11.05 |
| 3 | b | Compound of trace elements | 3b501 | Manganous chloride, tetrahydrate | Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | OJ L 216, 22.08.2017, p.1 | 11.09.2017 | 11.09.2027 | 22.08.17 |
| 3 | b | Trace elements | E 5 | **Manganese – Mn**, Manganous oxide | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / *Corrigendum* | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 | - | Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | 07.11.05 |
| 3 | b | Compound of trace elements | 3b502 | Manganese (II) oxide | Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | OJ L 216, 22.08.2017, p.1 | 11.09.2017 | 11.09.2027 | 22.08.17 |
| 3 | b | Trace elements | E 5 | **Manganese – Mn**, Manganous sulphate, monohydrate | Council Directive of 23 November 1970 concerning additives in feeding-stuffs (70/524/EEC) / amended by Reg. (EC) No 1334/2003 / *Corrigendum* | OJ L 270, 14.12.1970, p.1 / *Amended by* OJ L 187, 26.07.2003, p. 11 / *Corrigendum* OJ L 14, 21.01.2004, p. 54 | - | Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | 07.11.05 |
| 3 | b | Compound of trace elements | 3b503 | Manganous sulphate monohydrate | Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | OJ L 216, 22.08.2017, p.1 | 11.09.2017 | 11.09.2027 | 22.08.17 |
| 3 | b | Compound of trace elements | 3b505 | Manganese chelate of protein hydrolysates | Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | OJ L 216, 22.08.2017, p.1 | 11.09.2017 | 11.09.2027 | 22.08.17 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | b | Trace elements | E 5 | **Manganese - Mn**, Manganese chelate of glycine, hydrate | Reg. (EC) No 479/2006 | OJ L 86, 24.03.2006, p. 4 | - | Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | 24.04.06 |
| 3 | b | Compound of trace elements | 3b506 | Manganese chelate of glycine, hydrate | Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | OJ L 216, 22.08.2017, p.1 | 11.09.2017 | 11.09.2027 | 22.08.17 |
| 3 | b | Compound of trace elements | 3b507 | Dimanganese chloride trihydroxide | Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 | OJ L 216, 22.08.2017, p.1 | 11.09.2017 | 11.09.2027 | 22.08.17 |
| 3 | b | Compound of trace elements | 3b5.10 | Manganese chelate of hydroxy analogue of methionine [All species] | Reg. (EU) No 350/2010 of 23 April 2010 | OJ L 104, 24.04.2010, p. 36 | 14.05.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 28.04.10 |
| 3 | b | Compounds of trace elements | 3b601 | Zinc acetate, dihydrate [All species] | Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 182, 07.07.2016, p. 7 | 27.07.2016 | 27.07.2026 | 07.07.16 |
| 3 | b | Compounds of trace elements | 3b602 | Zinc chloride anhydrous [All species] | Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 182, 07.07.2016, p. 7 | 27.07.2016 | 27.07.2026 | 07.07.16 |
| 3 | b | Compounds of trace elements | 3b603 | Zinc oxide [All species] | Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 182, 07.07.2016, p. 7 | 27.07.2016 | 27.07.2026 | 07.07.16 |
| 3 | b | Compounds of trace elements | 3b604 | Zinc sulphate, heptahydrate [All species] | Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 182, 07.07.2016, p. 7 | 27.07.2016 | 27.07.2026 | 07.07.16 |
| 3 | b | Compounds of trace elements | 3b605 | Zinc sulphate, monohydrate [All species] | Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 182, 07.07.2016, p. 7 | 27.07.2016 | 27.07.2026 | 07.07.16 |
| 3 | b | Compounds of trace elements | 3b606 | Zinc chelate of amino acids hydrate [All species] | Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 182, 07.07.2016, p. 7 | 27.07.2016 | 27.07.2026 | 07.07.16 |
| 3 | b | Compounds of trace elements | 3b607 | Zinc chelate of glycine, hydrate (solid) [All species] | Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 182, 07.07.2016, p. 7 | 27.07.2016 | 27.07.2026 | 07.07.16 |
| 3 | b | Compounds of trace elements | 3b608 | Zinc chelate of glycine, hydrate (liquid) [All species] | Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 182, 07.07.2016, p. 7 | 27.07.2016 | 27.07.2026 | 07.07.16 |
| 3 | b | Compounds of trace elements | 3b609 | Zinc chloride hydroxide monohydrate [All species] | Commission Implementing Regulation (EU) 991/2012 of 25 October 2012 / *Amended by* Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 297, 26.10.2012, p. 18 / *Amended by* OJ L 182, 07.07.2016, p. 7 | 15.11.2012 | 15.11.2022 | 16.11.12 |
| 3 | b | Compound of trace elements | 3b6.10 | Zinc chelate of hydroxy analogue of methionine [All species] | Reg. (EU) No 335/2010 of 22 April 2010 / *Corrigendum DE* in OJ L 246 of 18.09.2010 p. 75 / *Amended by* Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 102, 23.04.2010, p. 22 / *Corrigendum DE* OJ L 246 DE, 18.09.2010, p. 75 / *Amended by* OJ L 182, 07.07.2016, p. 7 | 13.05.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 28.04.10 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | b | Compound of trace elements | 3b611 | Zinc chelate of methionine (1:2) [All species] | Commission implementing regulation. (EU) No 636/2013 of 1 July 2013 / *Corrigenda in* OJ L55 (DE, HU, HR, BG, LV & FI) of 22.02.2014, p. 23 / *Amended by* Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 183, 02.07.2013, p. 3 / *Corrigendum DE in* OJ DE L 55, 27.02.2014, p. 23 / *Corrigendum HU in* OJ HU L 55, 27.02.2014, p. 23 / *Corrigendum HR in* OJ HR L 55, 27.02.2014, p. 23 / *Corrigendum BG in* OJ BG L 55, 27.02.2014, p. 23 / *Corrigendum LV in* OJ LV L 55, 27.02.2014, p. 23 / *Corrigendum FI in* OJ FI L 55, 27.02.2014, p. 23 / *Amended by* OJ L 182, 07.07.2016, p. 7 | 22.07.2013 | 22.07.2023 | 02.07.13 |
| 3 | b | Compounds of trace elements | 3b612 | Zinc chelate of protein hydrolysates [All species] | Commission Implementing Regulation (EU) 2016/1095 of 6 July 2016 | OJ L 182, 07.07.2016, p. 7 | 27.07.2016 | 27.07.2026 | 07.07.16 |
| 3 | b | Compounds of trace elements | 3b613 | Zinc bislysinate [All species] | Commission Implementing Regulation (EU) No 2016/973 of 17 June 2016 | OJ L 161, 18.06.2016, p. 21 | 08.07.2016 | 08.07.2026 | 20.06.16 |
| 3 | b | Trace elements | E 7 | **Molybdenum – Mo**, Sodium molybdate [Sheep] | Commission Directive of 28 July 1986 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (86/403/EEC) | OJ L 233, 20.08.1986, p. 16 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 3 | b | Trace elements | E 8 | **Selenium – Se**, Sodium selenite | Commission Directive of 28 July 1986 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (86/403/EEC) | OJ L 233, 20.08.1986, p. 16 | - | Transitional measures in the Article 2 of Commission Implementing Regulation (EU) 2019/49 of 4 January 2019 | 07.11.05 |
| 3 | b | Compounds of trace elements | 3b801 | Sodium selenite [All species] | Commission Implementing Regulation (EU) 2019/49 of 4 January 2019 | OJ L 10, 14.01.2019, p. 2 | 03.02.2019 | 03.02.2029 | 24.01.19 |
| 3 | b | Compounds of trace elements | 3b802 | Coated granulated sodium selenite [All species] | Commission Implementing Regulation (EU) 2019/49 of 4 January 2019 | OJ L 10, 14.01.2019, p. 2 | 03.02.2019 | 03.02.2029 | 24.01.19 |
| 3 | b | Compound of trace elements | 3b810 | Selenised yeast *Saccharomyces cerevisiae* CNCM I-3060, inactivated [All species] | Commission Implementing Regulation (EU) 2019/804 of 17 May 2019 | OJ L 132, 20.05.2019 p. 28 | 09.06.2019 | 09.06.2019 | 20.05.19 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | b | Compound of trace elements | 3b811 | Selenised yeast *Saccharomyces cerevisiae* NCYC R397, inactivated [All species] | Commission Implementing Regulation (EU) 2019/804 of 17 May 2019 | OJ L 132, 20.05.2019 p. 28 | 09.06.2019 | 09.06.2019 | 20.05.19 |
| 3 | b | Compound of trace elements | 3b8.12 | Selenomethionine produced by *Saccharomyces cerevisiae* CNCM I-3399 (Selenised yeast inactivated) [All species] | Reg. (EC) No 900/2009 of 25 September 2009 / *Amended by* Commission Implementing Regulation (EU) No 427/2013 of 8 May 2013 | OJ L 256, 29.09.2009, p. 12 / *Amended by* OJ L 127, 09.05.2013, p. 20 | 19.10.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.09.09 |
| 3 | b | Compounds of trace elements | 3b813 | Selenomethionine produced by *Saccharomyces cerevisiae* NCYC R646 (Selenised yeast inactivated) [All species] | Commission Implementing Regulation (EU) No 427/2013 of 8 May 2013 | OJ L 127, 09.05.2013, p. 20 | 29.05.2013 | 29.05.2023 | 13.05.13 |
| 3 | b | Compounds of trace elements | 3b814 | Hydroxy- analogue of selenomethionine [All species] | Commission Implementing Regulation (EU) No 445/2013 of 14 May 2013 | OJ L 130, 15.05.2013, p. 21 | 05.06.2013 | 05.06.2023 | 15.05.13 |
| 3 | b | Compounds of trace elements | 3b815 | L-selenomethionine [All species] | Commission Implementing Regulation (EU) No 121/2014 of 7 February 2014 / *Corrigendum* ES in OJ L212 ES, 18.07.2014, p. 48 / *Corrigendum* FR in OJ L 175 FR, 04.07.2015, p. 126 | OJ L 39, 08.02.2014, p. 53 / *Corrigendum* ES in OJ L212, 18.07.2014, p. 48 / *Corrigendum* FR in OJ L 175 FR, 04.07.2015, p. 126 | 28.02.2014 | 28.02.2024 | 10.02.14 |
| 3 | b | Compounds of trace elements | 3b816 | DL-selenomethionine [All species] | Commission Implementing Regulation (EU) No 847/2014 of 4 August 2014 / *Corrigendum* FR in OJ L 175 FR, 04.07.2015, p. 126 | OJ L 232, 05.08.2014, p. 10 / *Corrigendum* FR in OJ L 175 FR, 04.07.2015, p. 126 | 25.08.2014 | 25.08.2024 | 03.09.14 |
| 3 | b | Compounds of trace elements | 3b817 | Selenomethionine produced by *Saccharomyces cerevisiae* NCYC R645 (Selenised yeast inactivated) [All species] | Commission Implementing Regulation (EU) No 2015/489 of 23 March 2015 | OJ L 78, 24.03.2015, p. 5 | 13.04.2015 | 13.04.2025 | 09.04.15 |
| 3 | b | Compounds of trace elements | 3b818 | Zinc-L-selenomethionine [All species] | Commission Implementing Regulation (EU) 2019/49 of 4 January 2019 | OJ L 10, 14.01.2019, p. 2 | 03.02.2019 | 03.02.2029 | 24.01.19 |
| 3 | c | Amino acids, their salts and analogues | 3.2.2. | Lysine / Concentrated liquid L-lysine (base) | Dir. 88/485/EEC | OJ L 239, 30.08.1988, p. 36 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 3 | c | Amino acids, their salts and analogues | 3.2.3. | Lysine / L-lysine monohydrochloride, technically pure | Dir. 88/485/EEC | OJ L 239, 30.08.1988, p. 36 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | c | Amino acids, their salts and analogues | 3c323 | L-lysine sulphate produced by fermentation with *Escherichia coli* CGMCC 3705 | Commission Implementing Regulation (EU) 2017/439 of 13 March 2017 | OJ L 67, 14.03.2017, p. 70 | 02.04.2017 | 02.04.2027 | 15.03.17 |
| 3 | c | Amino acids, their salts and analogues | 3.2.4. | Lysine / Concentrated liquid L-lysine monohydrochloride | Dir. 88/485/EEC | OJ L 239, 30.08.1988, p. 36 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 3 | c | Amino acids, their salts and analogues | 3.2.5. | Lysine / L-lysine sulphate produced by fermentation with *Corynebacterium glutamicum* | Dir. 88/485/EEC | OJ L 239, 30.08.1988, p. 36 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 3 | c | Amino acids, their salts and analogues | 3c410 | L-threonine produced by fermentation with *Escherichia coli* DSM 25086 or *Escherichia coli* FERM BP-11383 or *Escherichia coli* FERM BP-10942 or *Escherichia coli* NRRL B-30843 or *Escherichia coli* KCCM 11133P or *Escherichia coli* DSM 25085 or *Escherichia coli* CGMCC 3703 or *Escherichia coli* CGMCC 7.58. | Commission Implementing Regulation (EU) 2016/1220 of 26 July 2016 | OJ L 201, 27.07.2016, p. 11 | 16.08.2016 | 16.08.2026 | 27.07.16 |
| 3 | c | Amino acids, their salts and analogues | 3c410 | L-threonine produced by fermentation with *Escherichia coli* CGMCC 7.232 | Commission Implementing Regulation (EU) 2019/894 of 28 May 2019 | OJ L 142, 29.05.2019, p. 63 | 18.06.2019 | 18.06.2029 | 29.05.19 |
| 3 | c | Amino acids, their salts and analogues | 3c440 | L-tryptophan produced by fermentation with *Escherichia coli* KCCM 11132P or *Escherichia coli* DSM 25084 or *Escherichia coli* FERM BP-11200 or *Escherichia coli* FERM BP-11354 or *Escherichia coli* CGMCC 7.59 or *Escherichia coli* CGMCC 3667. | Commission Implementing Regulation (EU) 2017/873 of 22 May 2017 | OJ L 134, 22.05.2017, p. 14 | 12.06.2017 | 12.06.2027 | 07.06.17 |
| 3 | c | Amino acids, their salts and analogues | 3c3.5.1 | L-histidine monohydrochloride monohydrate produced by *Escherichia coli* (ATCC 9637) [Salmonids] | Reg. (EC) 244/2007 | OJ L 73, 13.03.2007, p. 6 | 02.04.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 13.03.07 |
| 3 | c | Amino acids, their salts and analogues | 3c3.6.1 | L-arginine produced by *Corynebacterium glutamicum* (ATCC 13870) [All species] | Reg. (EC) No 1139/2007 of 1 October 2007 | OJ L 256, 02.10.2007, p. 11 | 22.10.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 02.10.07 |
| 3 | c | Amino acids, their salts and analogues | 3c361 | L-arginine produced by *Corynebacterium glutamicum* (KCTC 10423BP) [All species] | Commission Implementing Regulation (EU) 2016/972 of 17 June 2016 | OJ L 161, 18.06.2016, p. 18 | 08.07.2016 | 08.07.2026 | 20.06.16 |
| 3 | c | Amino acids, their salts and analogues | 3c362 | L-arginine produced by *Corynebacterium glutamicum* (KCCM 80099.) [All species] | Commission Implementing Regulation (EU) 2018/129 of 25 January 2018 | OJ L 22, 26.01.2018, p. 21 | 15.02.2018 | 15.02.2028 | 29.01.18 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 3 | c | Amino acids, their salts and analogues | 3c363 | L-arginine produced by *Escherichia coli* NITE BP-02186) [All animal species] | Commission Implementing Regulation (EU) 2019/12 of 3 January 2019 | OJ L 2, 04.01.2019, p. 21 | 24.01.2019 | 24.01.2029 | 24.01.19 |
| 3 | c | Amino acids, their salts and analogues | 3c362 | L-arginine produced by *Corynebacterium glutamicum* KCCM10741P) [All animal species] | Commission Implementing Regulation (EU) 2019/12 of 3 January 2019 | OJ L 2, 04.01.2019, p. 21 | 24.01.2019 | 24.01.2029 | 24.01.19 |
| 3 | c | Amino acids, their salts and analogues | 3c372 | Guanidinoacetic acid CAS No 352-97-6 [Chickens for fattening; weaned piglets and pigs for fattening] | Commission Implementing Regulation (EU) 2016/1768 of 4 October 2016 | OJ L 270, 05.10.2016, p. 4 | 25.10.2016 | 25.10.2026 | 05.10.16 |
| 3 | c | Amino acids, their salts and analogues | 3c3.8.1 | L-isoleucine produced by *Escherichia coli* (FERM ABP-10641) | Reg (EU) No 348/2010 of 23 April 2010 | OJ L 104, 24.04.2010, p. 29 | 14.05.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 28.04.10 |
| 3 | c | Amino acids, their salts and analogues | 3c301 | DL-methionine, technically pure | Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 | OJ L 136, 23.05.2013, p. 1 | 12.06.2013 | 1.06.2023 | 23.05.13 |
| 3 | c | Amino acids, their salts and analogues | 3c302 | Sodium DL- methionine, liquid | Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 | OJ L 136, 23.05.2013, p. 1 | 12.06.2013 | 12.06.2023 | 23.05.13 |
| 3 | c | Amino acids, their salts and analogues | 3c303 | DL-methionine protected with copolymer vinylpyridine/styrene | Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 | OJ L 136, 23.05.2013, p. 1 | 12.06.2013 | 12.06.2023 | 23.05.13 |
| 3 | c | Amino acids, their salts and analogues | 3c304 | DL-methionine protected with ethylcellulose | Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 | OJ L 136, 23.05.2013, p. 1 | 12.06.2013 | 12.06.2023 | 23.05.13 |
| 3 | c | Amino acids, their salts and analogues | 3c305 | L-methionine produced by fermentation with *Escherichia coli* (KCCM 11252P and KCCM 11340P) | Commission Implementing Regulation (EU) No 852/2014 of 5 August 2014 | OJ L 233, 06.08.2014, p. 22 | 26.08.2014 | 26.08.2024 | 03.09.14 |
| 3 | c | Amino acids, their salts and analogues | 3c306 | DL-methionyl- DL-methionine | Commission Implementing Regulation (EU) 2015/1408 of 19 August 2015 | OJ L 219, 20.08.2015, p. 3 | 09.09.2015 | 09.09.2025 | 20.08.15 |
| 3 | c | Amino acids, their salts and analogues | 3c307 | Hydroxy analogue of methionine | Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 | OJ L 136, 23.05.2013, p. 1 | 12.06.2013 | 12.06.2023 | 23.05.13 |
| 3 | c | Amino acids, their salts and analogues | 3c308 | Calcium salt of hydroxy analogue of methionine | Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 / Corrigendum in OJ L 146, 31.05.2013, p. 37 | OJ L 136, 23.05.2013, p. 1 / *Corrigendum in* OJ L 146, 31.05.2013, p. 37 | 12.06.2013 | 12.06.2023 | 23.05.13 |
| 3 | c | Amino acids, their salts and analogues | 3c309 | Isopropyl ester of the hydroxylated analogue of methionine | Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 | OJ L 136, 23.05.2013, p. 1 | 12.06.2013 | 12.06.2023 | 23.05.13 |
| 3 | c | Amino acids, their salts and analogues | 3c310 | Hydroxy analogue of methionine and its calcium salt | Commission Implementing Regulation (EU) 2019/8 of 3 January 2019 | OJ L 2, 04.01.2019 p. 6 | 24.01.2019 | 24.01.2029 | 23.01.19 |
| 3 | c | Amino acids, their salts and analogues | 3c370 | L-valine produced by *Escherichia coli* (K-12 AG314) FERM ABP-10640 | Reg (EC) No 403/2009 of 14 May 2009 / *Amended by* Commission Implementing Regulation (EU) No 848/2014 of 4 August 2014 / *Amended by* Commission Implementing Regulation (EU) No 2015/1114 of 9 July 2015 | OJ L 120, 15.05.2009, p. 3 / *Amended by* OJ L 232, 05.08.2014, p. 14 / *Amended by* OJ L 182, 10.07.2015, p. 18 | 03.06.2009 | 03.06.2019 | 15.05.09 |

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| 3 | c | Amino acids, their salts and analogues | 3c370 | L-valine produced by *Corynebacterium glutamicum* (KCCM 80058) | Commission Implementing Regulation (EU) No 848/2014 of 4 August 20144 / *Amended by* Commission Implementing Regulation (EU) No 2015/1114 of 9 July 2015 | OJ L 232, 05.08.2014, p. 14 / *Amended by* OJ L 182, 10.07.2015, p. 18 | 25.08.2014 | 25.08.2024 | 03.09.14 |
| 3 | c | Amino acids, their salts and analogues | 3c370 | L-valine produced by *Corynebacterium glutamicum* (DSM 25202) | Commission Implementing Regulation (EU) No 1236/2014 of 18 November 2014 / *Amended by* Commission Implementing Regulation (EU) No 2015/1114 of 9 July 2015 | OJ L 332, 19.11.2014, p.26 / *Amended by* OJ L 182, 10.07.2015, p. 18 | 09.12.2014 | 09.12.2024 | 19.11.14 |
| 3 | c | Amino acids, their salts and analogues | 3c370 | L-valine produced by *Escherichia coli* NITE SD 00066 or *Escherichia coli* NITE BP-01755 | Commission Implementing Regulation (EU) No 2015/1114 of 9 July 2015 | OJ L 182, 10.07.2015, p. 18 | 30.07.2015 | 30.07.2025 | 04.08.15 |
| 3 | c | Amino acids, their salts and analogues | 3c391 | L-cystine | Commission Implementing Regulation (EU) No 1006/2013 of 18 October 2013 | OJ L 279, 19.10.2013, p. 59 | 08.11.2013 | 08.11.2023 | 04.11.13 |
| 3 | c | Amino acids, their salts and analogues | 3c401 | L-tyrosine | Commission Implementing Regulation (EU) No 101/2014 of 4 February 2014 | OJ L 34, 05.02.2014, p. 1 | 25.02.2014 | 25.02.2024 | 05.02.14 |
| 3 | d | Urea and its derivatives | 3d1 | Urea [Ruminants with a functional rumen] | Commission Implementing Regulation (EU) No 839/2012 of 18 September 2012 / *Corrigendum* in OJ L 11 of 16.01.2014 p. 11 | OJ L 252, 19.09.2012, p. 11 / *Corrigendum* OJ L 11 of 16.01.2014 p. 11 | 19.11.2012 | 19.11.2022 | 01.10.12 |
| 4 | a | Digestibility enhancers | 4a2 | Fermentation product of *Aspergillus oryzae* NRRL 458 (Amaferm) (Holder of the authorisation Biozyme Incorporated) [Dairy cows] | Reg (EC) No 537/2007 of 15 May 2007 / *Amended by* Reg (EC) No 905/2009 of 28 September 2009 | OJ L 128, 16.05.2007. p. 13 / *Amended by* OJ L 256, 29.09.2009, p. 30 | 05.06.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.05.07 |
| 4 | a | Digestibility enhancers | 4a3 | Endo-1,4-beta-mannanase EC 3.2.1.78 (Hemicell) (Holder of the authorisation ~~Eli Lilly and Company Limited~~ Elanco GmbH) [Chickens for fattening] | Reg (EC) No 786/2007 of 4 July 2007 / *Amended by* Commission Implementing Regulation (EU) No 103/2013 of 4 February 2013 / *Amended by* Commission Implementing Regulation (EU) 2019/138 | OJ L 175, 05.07.2007, p. 8 / *Amended by* OJ L 34, 05.02.2013, p. 12 / *Amended by* OJ L 26, 30.01.2019, p. 1 | 25.07.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 09.07.07 |
| 4 | a | Digestibility enhancers | 4a6 | 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (Holder of the authorisation DSM Nutritional Products Ltd., represented by DSM Nutritional Products Sp. Z.o.o.) [Piglets (weaned), Pigs for fattening, Poultry for fattening, Poultry for laying] | Reg (EC) No 1088/2009 of 12 November 2009 / *Corrigendum* ES in O.J. L 14 of 20.01.2010 p. 13 | OJ L 297, 13.11.2009, p. 6 / *Corrigendum ES* OJ L 14 ES, 20.01.2010, p. 13 | 01.12.2009 | 01.12.2019 | 16.11.09 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a6 | 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (Holder of the authorisation DSM Nutritional Products Ltd., represented by DSM Nutritional Products Sp. Z.o.o.) [Sows] | Reg (EU) No 999/2010 of 5 November 2010 / *Corrigendum BG* OJ L 341 BG 23.12.2010, p. 52 | OJ L 290, 06.11.2010, p. 24 / *Corrigendum BG* OJ L 341 BG 23.12.2010, p. 52 | 26.11.2010 | 26.11.2020 | 08.11.10 |
| 4 | a | Digestibility enhancers | 4a7 | Preparation of endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) and endo-1,4-beta-glucanase produced by *Aspergillus niger* (DSM 18404) (Holder of the authorisation BASF SE) [Piglets (weaned); Chickens for fattening; Laying hens; Turkeys for fattening; Ducks for fattening] | Reg (EC) No 271/2009 of 2 April 2009 / *Corrigendum* in O.J. L 94 of 08.04.2009 p. 112 / *Amended by* Commission Implementing Regulation (EU) No 1070/2014 of 10 October 2014 | OJ L 91, 03.04.2009, p. 5 / *Corrigendum* OJ L 94, 08.04.2009, p. 112 / *Amended by* OJ L 295, 11.10.2014, p. 49 | 22.04.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 03.04.09 |
| 4 | a | Digestibility enhancers | 4a7 | Preparation of endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) and endo-1,4-beta-glucanase produced by *Aspergillus niger* (DSM 18404) (Holder of the authorisation BASF SE) [Minor poultry species for fattening (other than ducks for fattening) and ornamental birds; Chickens reared for laying, turkeys for breeding purposes, turkeys reared for breeding and all minor avian species for laying] | Commission Implementing Regulation (EU) No 1068/2011 of 21 October 2011 / *Corrigendum* in OJ L 328 (BG, ES, CS, LT, PL, PT, RO, SV) of 10.12.2011, p. 59 / *Amended by* Commission Implementing Regulation (EU) No 2017-950 of 2 June 2017 | OJ L 271, 22.10.2011, p. 11 *Corrigendum* in OJ L 328 (BG) of 10.12.2011, p. 59; OJ L 328 (ES) of 10.12.2011, p. 59; OJ L 328 (CS) of 10.12.2011, p. 59; OJ L 328 (LT) of 10.12.2011, p. 59; OJ L 328 (PL) of 10.12.2011, p. 59; OJ L 328 (PT) of 10.12.2011, p. 59; OJ L 328 (RO) of 10.12.2011, p. 59; OJ L 328 (SV) of 10.12.2011, p. 59 / *Amended by* OJ L 143, 03.06.2017, p. 5 | 11.11.2011 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 24.10.11 |
| 4 | a | Digestibility enhancers | 4a7 | Preparation of endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) and endo-1,4-beta-glucanase produced by *Aspergillus niger* (DSM 18404) (Holder of the authorisation BASF SE) [Pigs for fattening] | Commission Implementing Regulation (EU) No 1404/2013 of 20 December 2013 | OJ L 349, 21.12.2013, p. 88 | 12.01.2014 | 12.01.2024 | 06.01.14 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a8 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (CBS 114044) (Holder of the authorisation Roal Oy) [piglets (weaned); chickens for fattening; chickens reared for laying; turkeys for fattening; turkeys reared for breeding] | Reg (EC) No 902/2009 of 28 September 2009 | OJ L 256, 29.09.2009, p. 23 | 19.10.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.09.09 |
| 4 | a | Digestibility enhancers | 4a8 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (CBS 114044) (Holder of the authorisation Roal Oy) [Minor poultry species other than laying birds thereof; Laying hens and laying birds of minor poultry species; Pigs for fattening] | Commission Implementing Regulation (EU) No 1110/2011 of 3 November 2011 / Amended by Commission Implementing Regulation (EU) 2018/1569 of 18 October 2018 | OJ L 287, 04.11.2011, p. 27 / *Amended by* OJ L 262, 19.10.2018, p. 37 | 24.11.2011 | 24.11.2021 | 14.11.11 |
| 4 | a | Digestibility enhancers | 4a8 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (CBS 114044) (Holder of the authorisation Roal Oy) [Minor poultry species other than laying birds; Laying hens; Laying birds of minor poultry species; Pigs for fattening] | Commission Implementing Regulation (EU) 2018/1569 of 18 October 2018 | OJ L 262, 19.10.2018, p. 37 | 08.11.2018 | 08.11.2018 | 19.10.18 |
| 4 | a | Digestibility enhancers | 4a9 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (MUCL 49755) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (MUCL 49754) (Holder of the authorisation Aveve NV) [Chickens for fattening] | Reg (EC) No 1091/2009 of 13 November 2009 / *Amended by* Reg. (EU) No 335/2011 of 7 April 2011 | OJ L 299, 14.11.2009, p. 6 / *Amended by* OJ L 94, 08.04.2011, p. 14 | 04.12.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.11.09 |
| 4 | a | Digestibility enhancers | 4a9 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (MUCL 49755) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (MUCL 49754) (Holder of the authorisation Aveve NV) [Piglets (weaned)] | Commission Implementing Regulation (EU) No 1088/2011 of 27 October 2011 / *Corrigendum PL* in OJ L 68 of 7 March 2012, p. 43. | OJ L 281, 28.10.2011, p. 14 / *Corrigendum PL in* OJ L 68 PL, 07.03.2012, p. 43 | 17.11.2011 | 17.11.2021 | 28.10.11 |
| 4 | a | Digestibility enhancers | 4a9 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (MULC 49755) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (MULC 49754) (Holder of the authorisation Aveve NV) [Laying hens and minor poultry species for fattening and laying] | Commission Implementing Regulation (EU) No 989/2012 of 25 October 2012 | OJ L 297, 26.10.2012, p. 11 | 15.11.2012 | 15.11.2022 | 26.10.12 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a9 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (MUCL 49755) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (MUCL 49754) (Holder of the authorisation Aveve NV) [Pigs for fattening; Minor porcine species for fattening other than *Sus scrofa domesticus*; Turkeys for fattening] | Commission Implementing Regulation (EU) No 1040/2013 of 24 October 2013 | OJ L 283, 25.10.2013, p. 46 | 14.11.2013 | 14.11.2023 | 5.11.13 |
| 4 | a | Digestibility enhancers | 4a10 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588), subtilisin produced by *Bacillus subtilis* (ATCC 2107) and alpha-amylase produced by *Bacillus amyloliquefaciens* (ATCC 3978) (Holder of the authorisation Danisco Animal Nutrition, legal entity Danisco (UK) Limited Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [ Chickens for fattening, Ducks, Turkeys for fattening] | Reg (EC) No 1087/2009 of 12 November 2009 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 297, 13.11.2009, p. 4 / *amended by* OJ L35, 07.02.2019, p28 | 03.12.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.11.09 |
| 4 | a | Digestibility enhancers | 4a10 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588), alpha-amylase produced by *Bacillus amyloliquefaciens* (ATCC 3978) and subtilisin produced by *Bacillus subtilis* (ATCC 2107) (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [Laying hens] | Commission Implementing Regulation (EU) No 389/2011 of 19 April 2011 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 104, 19.04.2011, p. 7 / *amended by* OJ L35, 07.02.2019, p28 | 10.05.2011 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 11.05.11 |
| 4 | a | Digestibility enhancers | 4a11 | Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588) (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [chickens for fattening, laying hens, ducks and turkeys for fattening] | Reg. (EU) No 9/2010 of 23 December 2009 / *Amended by* Commission Implementing Regulation (EU) No 1196/2012 of 13 December 2012 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 3, 07.01.337/22010, p. 10 / *Amended by* OJ L 342, 14.12.2012, p. 25 / *amended by* OJ L35, 07.02.2019, p28 | 13.01.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.01.10 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a11 | Preparation of endo-1,4-β-xylanase (EC 3.2.1.8) produced by *Trichoderma reesei* (ATCC PTA 5588) (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [Piglets (weaned) and pigs for fattening] | Commission Implementing Regulation (EU) No 528/2011 of 30 May 2011 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 143, 31.05.2011, p. 10 / *amended by* OJ L35, 07.02.2019, p28 | 20.06.2011 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 31.05.11 |
| 4 | a | Digestibility enhancers | 4a11 | Preparation of endo-1,4-β-xylanase (EC 3.2.1.8) produced by *Trichoderma reesei* (ATCC PTA 5588) (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [Minor poultry species other than ducks] | Commission Implementing Regulation (EU) No 1021/2012 of 6 November 2012 / *Corrigendum* PL OJ L 21 PL, 18.01.2013 p. 60 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L307, 07.11.2012, p. 68 / *Corrigendum* PL OJ L 21 PL, 18.01.2013 p. 60 / *amended by* OJ L35, 07.02.2019, p28 | 27.11.2012 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 13.11.12 |
| 4 | a | Digestibility enhancers | 4a12 | Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (Holder of the authorisation Roal Oy) [Poultry for fattening and breeding other than turkeys for fattening, for poultry for laying and for pigs other than sows] | Reg. (EU) No 277/2010 of 31 March 2010 | OJ L 86, 01.04.2010, p. 13 | 21.04.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 06.04.10 |
| 4 | a | Digestibility enhancers | 4a12 | Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (Holder of the authorisation Roal Oy) [Turkeys] | Reg. (EU) No 891/2010 of 8 October 2010 | OJ L 266, 09.10.2010, p. 4 | 29.10.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 11.10.10 |
| 4 | a | Digestibility enhancers | 4a12 | Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (Holder of the authorisation Roal Oy) [Sows] | Commission Implementing Regulation (EU) No 886/2011 of 5 September 2011 | OJ L 229, 06.09.2011, p. 5 | 26.09.2011 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 06.09.11 |
| 4 | a | Digestibility enhancers | 4a13 | Serine protease produced by *Bacillus licheniformis* (DSM 19670) (Holder of the authorisation DSM Nutritional Products Ltd, represented by DSM Nutritional Products Sp.Z.o.o) [chickens for fattening] | REG. (EU) No 8/2010 of 23 December 2009 | OJ L 3, 07.01.2010, p. 7 | 13.01.2010 | 13.01.2020 | 07.01.10 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a 14 | Preparation of endo-1,4-β-xylanase (EC 3.2.1.8) produced by *Trichoderma reesei* (MUCL 49755), endo-1,3(4)-β-glucanase (EC 3.2.1.6) produced by *Trichoderma reesei* (MUCL 49754) and polygalacturonase (EC 3.2.1.15) produced by *Aspergillus aculeatus* (CBS 589.94) (Holder of the authorisation Aveve NV) [Piglets (weaned)] | Commission Implementing Regulation (EU) No 527/2011 of 30 May 2011 | OJ L 143, 31.05.2011. p. 6 | 20.06.2011 | 20.06.2021 | 31.05.11 |
| 4 | a | Digestibility enhancers | 4a15 | Preparation (solid and liquid form) of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (ATCC SD 2106) (Holder of the authorisation (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [Turkeys for fattening and reared for breeding; Laying hens; Other poultry; Piglets (weaned); Pigs for fattening] | Reg. (EU) No 337/2011 of 7 April 2011 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 94, 08.04.2011. p. 19 / *amended by* OJ L35, 07.02.2019. p28 | 28.04.2011 | 28.04.2021 | 08.04.11 |
| 4 | a | Digestibility enhancers | 4a15 | Preparation (solid and liquid form) of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (ATCC SD 2106) (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [Lactating sows (including minor porcine species); Minor porcine species weaned and for fattening] | Commission Implementing Regulation (EU) 2016/997 of 21 June 2016 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 164, 22.06.2016. p. 4 / *amended by* OJ L35, 07.02.2019. p28 | 12.07.2016 | 12.07.2026 | 22.06.16 |
| 4 | a | Digestibility enhancers | 4a16 | Preparation 6-phytase (EC 3.1.3.26) produced by *Komagataella pastoris* (DSM 23036) (Holder of the authorisation Huvepharma AD) [Chickens for fattening; Chickens reared for laying; Laying hens; Other avian species other than turkeys for fattening and turkeys reared for breeding; Sows; Turkeys for fattening; Turkeys reared for breeding; Pigs for fattening; Piglets (weaned)] | Commission Implementing Regulation (EU) No 98/2012 of 7 February 2012 / *Corrigendum* PL in OJ L 120, 05.05.2012. p. 16 / Amended by Commission Implementing Regulation (EU) 2016/348 of 10 March 2016 | OJ L 35, 08.02.2012. p. 6 / *Corrigendum* PL in OJ L 120, 05.05.2012. p. 16 / *Amendment* in OJ L 65, 11.03.2016. p. 56 | 28.02.2012 | 28.02.2022 | 08.02.12 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a16 | Preparation 6-phytase (EC 3.1.3.26) produced by *Komagataella pastoris* (DSM 23036) (Holder of the authorisation Huvepharma AD) [fish] | Commission Implementing Regulation (EU) 2017/2274 of 8 December 2017 | OJ L 326, 09.12.2017. p. 44 | 29.12.2017 | 29.12.2027 | 11.12.17 |
| 4 | a | Digestibility enhancers | 4a17 | Preparation of alpha-galactosidase (EC 3.2.1.22) produced by *Saccharomyces cerevisiae* (CBS 615.94) and endo-1,4-beta-glucanase (EC 3.2.1.4) produced by *Aspergillus niger* (CBS 120604), solid form, (Holder of the authorisation Kerry Ingredients and Flavours) [Chickens for fattening] | Commission Implementing Regulation (EU) No 237/2012 of 19 March 2012 / *Amended by* Commission Implementing Regulation (EU) 2015/1104 of 8 July 2015 | OJ L 80, 20.03.2012. p. 1 / *amended by* OJ L 80, 20.03.2012. p. 1 | 09.04.2012 | 09.04.2022 | 20.03.12 |
| 4 | a | Digestibility enhancers | 4a17 | Preparation of alpha-galactosidase (EC 3.2.1.22) produced by *Saccharomyces cerevisiae* (CBS 615.94) and endo-1,4-beta-glucanase (EC 3.2.1.4) produced by *Aspergillus niger* (CBS 120604), solid form, (Holder of the authorisation Kerry Ingredients and Flavours) [Minor poultry species for fattening; Chickens reared for laying] | Commission Implementing Regulation (EU) No 1365/2013 of 18 December 2013 | OJ L 343, 19.12.2013. p. 31 | 08.01.2014 | 08.01.2024 | 19.12.13 |
| 4 | a | Digestibility enhancers | 4a17 | Preparation of alpha-galactosidase (EC 3.2.1.22) produced by *Saccharomyces cerevisiae* (CBS 615.94) and endo-1,4-beta-glucanase (EC 3.2.1.4) produced by *Aspergillus niger* (CBS 120604), solid form, (Holder of the authorisation Kerry Ingredients and Flavours) [Laying hens; Minor poultry species for laying] | Commission Implementing Regulation (EU) No 2015/2382 of 17 December 2015 | OJ L 332, 18.12.2015. p. 54 | 07.01.2016 | 07.01.2026 | 18.01.16 |
| 4 | a | Digestibility enhancers | 4a18 | 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 22594) (Holder of the authorisation DSM Nutritional Products) [Poultry; Pigs for fattening; Piglets (weaned); Sows] | Commission Implementing Regulation (EU) No 837/2012 of 18 September 2012 / *Amended by* Commission Implementing Regulation (EU) No 1265/2012 of 17 December 2012 / *Amended by* Commission Implementing Regulation / *Amended by* Commission Implementing Regulation (EU) 2016/1881 of 24 October 2016 | OJ L 252,19.09.2012, p. 7 / *Amended by* OJ L 356, 22.12.2012, p. 61 / *Amended by* OJ L 289, 25.10.2016, p. 15 | 09.10.2012 | 09.10.2022 | 01.10.12 |
| 4 | a | Digestibility enhancers | 4a19 | Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 126897) (Holder of the authorisation Roal Oy) [Poultry other than laying birds; Laying birds; Weaned piglets; Pigs for fattening and sows ] | Commission Implementing Regulation (EU) No 292/2014 of 21 March 2014 | OJ L 87, 22.03.2014, p. 90 | 11.04.2014 | 11.04.2024 | 24.03.14 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a20 | Preparation of endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (CBS 126896) (Holder of the authorisation Roal Oy) [Chickens for fattening; Piglets (weaned) ] | Commission Implementing Regulation (EU) No 302/2014 of 25 March 2014 | OJ L 90, 26.03.2014, p. 4 | 15.04.2014 | 15.04.2024 | 26.03.14 |
| 4 | a | Digestibility enhancers | 4a21 | Preparation of alpha-amylase EC 3.2.1.1 produced by *Bacillus licheniformis* (DSM 21564) (Holder of the authorisation DSM Nutritional products Ltd, represented by DSM Nutritional Products Sp. Z.o.o) [Dairy cows] | Commission Implementing Regulation (EU) 2015/47 of 14 January 2015 | OJ L 9, 15.01.2015, p. 8 | 04.02.2015 | 02.02.2025 | 16.01.15 |
| 4 | a | Digestibility enhancers | 4a22 | Preparation of endo-1,4-beta-xylanase (EC 3.2.1.8) and endo-1,3(4)-beta-glucanase (EC 3.2.1.6) produced by *Talaromyces versatilis sp. nov.* IMI CC 378536 and *Talaromyces versatilis sp. nov.* DSM 26702 (Holder of the authorisation Adisseo France S.A.S.) [Chickens for fattening; Chickens reared for laying; Minor poultry species for fattening and reared for laying] | Commission Implementing Regulation (EU) 2015/661 of 28 April 2015 | OJ L 110, 29.04.2015, p. 1 | 19.05.2015 | 19.05.2025 | 04.05.15 |
| 4 | a | Digestibility enhancers | 4a22 | Preparation of endo-1,4-beta-xylanase (EC 3.2.1.8) and endo-1,3(4)-beta-glucanase (EC 3.2.1.6) produced by *Talaromyces versatilis sp. nov.* IMI CC 378536 and *Talaromyces versatilis sp. nov.* DSM 26702 (Holder of the authorisation Adisseo France S.A.S.) [Turkeys for fattening; Turkeys reared for breeding] | Commission Implementing Regulation (EU) 2015/2304 of 10 December 2015 | OJ L 326, 11.12.2015, p. 39 | 31.12.2015 | 31.12.2025 | 14.12.15 |
| 4 | a | Digestibility enhancers | 4a22 | Preparation of endo-1,4-beta-xylanase (EC 3.2.1.8) and endo-1,3(4)-beta-glucanase (EC 3.2.1.6) produced by *Talaromyces versatilis sp. nov.* IMI CC 378536 and *Talaromyces versatilis sp. nov.* DSM 26702 (Holder of the authorisation Adisseo France S.A.S.) [Laying hens] | Commission Implementing Regulation (EU) 2017/210 of 7 February 2017 | OJ L 33, 08.02.2017, p. 19 | 28.02.2017 | 28.02.2027 | 13.02.17 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a23 | Preparation of 6-phytase produced by *Komagataella pastoris* (DSM 25375) (Holder of the authorisation Kaesler Nutrition GmbH) [Chickens for fattening and reared for laying, all avian species for fattening and reared for laying other than turkeys for fattening and reared for breeding; All avian species for laying; Turkeys for fattening and reared for breeding; Piglets (weaned), pigs for fattening, sows and minor porcine species] | Commission Implementing Regulation (EU) 2016/329 of 8 March 2016 / *amended by* Commission Implementing Regulation (EU) 2017/2231 of 4 December 2017 | OJ L 62, 09.03.2016, p. 5 / *amended by* OJ L 319, 05.12.2017, p. 28 | 29.03.2016 | 29.03.2026 | 29.03.16 |
| 4 | a | Digestibility enhancers | 4a24 | 6-phytase EC 3.1.3.26 produced by *Trichoderma reesei* (ATCC SD-6528) Liquid form (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [All poultry species; All porcine species (other than suckling piglets)] | Commission Implementing Regulation (EU) 2016/899 of 8 June 2016 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 152, 09.06.2016, p. 15 / *amended by* OJ L35, 07.02.2019. p28 | 29.06.2016 | 29.06.2026 | 09.06.16 |
| 4 | a | Digestibility enhancers | 4a24 | 6-phytase EC 3.1.3.26 produced by *Trichoderma reesei* (ATCC SD-6528) Solid form (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [All poultry species; All porcine species (other than suckling piglets)] | Commission Implementing Regulation (EU) 2017/896 of 24 May 2017 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 138, 25.05.2017, p. 123 / *amended by* OJ L35, 07.02.2019. p28 | 14.06.2017 | 14.06.2027 | 30.05.17 |
| 4 | a | Digestibility enhancers | 4a25 | 3-phytase EC 3.1.3.8 produced by *Komagataella pastoris (CECT 13094)* (Holder of the authorisation Fertinagro Nutrientes S.L.) [Chickens for fattening; Laying hens] | Commission Implementing Regulation (EU) 2017/895 of 24 May 2017 | OJ L 138, 25.05.2017, p. 120 | 14.06.2017 | 14.06.2027 | 30.05.17 |
| 4 | a | Digestibility enhancers | 4a25 | 3-phytase EC 3.1.3.8 produced by *Komagataella pastoris* (CECT 13094) (Holder of the authorisation Fertinagro Nutrientes S.L.) [Chickens reared for laying; Minor poultry species for fattening or reared for laying or for breeding] | Commission Implementing Regulation 2019/144 of 28 January 2019 | OJ L 27, 31.01.2019, p. 8 | 20.02.2019 | 20.02.2029 | 31.01.19 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a25 | 3-phytase EC 3.1.3.8 produced by *Komagataella phaffii* (CECT 13094) (Holder of the authorisation Fertinagro Nutrientes S.L.) [Chickens for fattening or reared for laying; Minor poultry species for fattening or reared for laying or for breeding; Laying hens] | Commission Implementing Regulation (EU) 2019/781 of 15 May 2019 | OJ L 127, 16.05.2019, p. 1 | 05.06.2019 | 05.06.2029 | 16.05.19 |
| 4 | a | Digestibility enhancers | 4a26 | Preparation of endo-1,4-beta- xylanase (EC 3.2.1.8) produced by T*richoderma reesei* (BCCM/MUCL 49755) (Holder of the authorisation Berg and Schmidt GmbH Co. KG) [Pigs for fattening] | Commission Implementing Regulation (EU) 2018/130 of 25 January 2018 | OJ L 22, 26.01.2018, p. 120 | 15.02.2018 | 15.02.2028 | 29.01.18 |
| 4 | a | Digestibility enhancers | 4a26 | Preparation of endo-1,4-beta- xylanase (EC 3.2.1.8) produced by T*richoderma reesei* (BCCM/MUCL 49755) (Holder of the authorisation Berg and Schmidt GmbH Co. KG) [Chickens for fattening; Weaned piglets] | Commission Implementing Regulation (EU) 2019/929 of 5 June 2019 | OJ L 148, 06.06.2019, p. 25 | 26.06.2019 | 26.06.2019 | 07.06.19 |
| 4 | a | Digestibility enhancers | 4a27 | Preparation of 6-phytase, produced by *Aspergillus niger* (DSM 25770) (Holder of the authorisation BASF SE) [Pigs for fattening; Sows; Minor porcine species for fattening or for reproduction; Weaned piglets; Chickens for fattening; Chickens reared for laying; Chickens for fattening Chickens reared for laying; Turkeys for fattening; Turkeys reared for breeding; All other avian species (excluding laying birds)] | Commission Implementing Regulation (EU) 2018/338 of 7 March 2018 | OJ L 65, 08.03.2018, p. 17 | 28.03.2018 | 28.03.2028 | 07.03.18 |
| 4 | a | Digestibility enhancers | 4a28 | Preparation of endo-1,4-beta-xylanase and endo-1,3(4)-beta-g lucanase pro - duced by *Komagataella pastoris* (CBS 25376) and *Komagataella pastoris* (CBS 26469) (holder of the authorisation Kaesler Nutrition GmbH) [Chickens for Fattening; Chickens reared for laying; Turkeys for fattening; All avian species reared for laying or for breeding purposes other than chickens reared for laying; Piglets (weaned); Minor porcine species (weaned)] | Commission Implementing Regulation (EU) 2018/1090 of 31 July 2018 | OJ L 195, 01.08.2018, p. 23 | 21.08.2018 | 21.08.2028 | 01.08.18 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a29 | Preparation of endo-1,4-beta-mannanase produced by *Paenibacillus lentus* (DSM 28088) (holder of the authorisation Elanco GmbH) [Chickens for fattening; Chickens reared for laying; Minor poultry species other than laying birds; Turkeys for fattening; Turkeys reared for breeding; Weaned piglets; Pigs for fattening; Minor porcine species for fattening] | Commission Implementing Regulation (EU) 2018/1565 of 18 October 2018 | OJ L 262, 19.10.2018, p. 24 | 08.11.2018 | 08.11.2028 | 19.10.18 |
| 4 | a | Digestibility enhancers | 4a62 | Endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) (Holder of the authorisation BASF SE) [Turkeys for fattening] | Reg. (EC) No 1380/2007 of 26 November 2007 / *Corrigendum* in O.J. L 310 of 28.11.2007 / *Amended by* Regulation (EC) No 516/2008 | OJ L 309, 27.11.2007, p. 21 / *Corrigendum* OJ L 310, 28.11.2007, p. 22 / *Amended by* OJ L151, 11.06.2008, p. 3 | 17.12.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 27.11.07 |
| 4 | a | Digestibility enhancers | 4a62 | Endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) (Holder of the authorisation BASF SE) [Chickens for fattening, Ducks] | Reg. (EC) No 1096/2009 of 16 November 2009 ***I*** *Amended by* Commission Implementing Regulation (EU) No 1019/2012 of 6 November 2012 / *Corrigendum* PL in OJ L14 of 18/01/2013 p.24 | OJ L 301, 17.11.2009, p. 3 / *Amended by* OJ L 307, 07.11.2012, p. 60 / Corrigendum PL OJ L 14 PL, 18.01.2013 p. 24 | 07.12.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 17.11.09 |
| 4 | a | Digestibility enhancers | 4a62 | Endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) (Holder of the authorisation BASF SE) [Turkeys reared for breeding; Ornamental birds, minor avian species except ducks and laying birds.] | Commission Implementing Regulation (EU) No 843/2012 of 18 September 2012 | OJ L 252, 19.09.2012, p. 23 | 09.10.2012 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 01.10.12 |
| 4 | a | Digestibility enhancers | 4a1600 | 3-phytase (Natuphos) produced by *Aspergillus niger* (CBS 101.672) (Holder of the authorisation BASF SE) [Chickens for fattening; Piglets (weaned); Pigs for fattening] | Reg. (EC) 243/2007 / *Corrigendum* EN OJ L 130 of 22.05.07 / *Amended by* Reg (EC) No 516/2008 / *Amended by* Reg (EC) No 1269/2009 | OJ L 73, 13.03.2007, p. 4 / *Corrigendum* EN OJ L 130, 22.05.2007, p. 48 / *Amended by* OJ L151 11.06.2008, p. 3 / *Amended by* OJ L339 22.12.2009, p. 27 | 02.04.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 22.05.07 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a1600 | 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos 5 000 / Natuphos 5 000 G / Natuphos 5 000 L / Natuphos 10 000 G / Natuphos 10 000 L) (Holder of the authorisation BASF SE) [Laying Hens, Turkeys for fattening] | Reg. (EC) No 1142/2007 of 01.10.07 / *Amended by* Reg (EC) No 516/2008 | OJ L 256, 02.10.2007, p. 20 / *Amended by* OJ L151 11.06.2008, p. 3 | 22.10.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 02.10.07 |
| 4 | a | Digestibility enhancers | 4a1600 | 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos 5 000 / Natuphos 5 000 G / Natuphos 5 000 L / Natuphos 10 000 G / Natuphos 10 000 L) (Holder of the authorisation BASF SE) [Ducks] | Reg. (EC) No 165/2008 of 22 February 2008 / *Amended by* Reg (EC) No 516/2008 | OJ L 50, 23.02.2008, p. 8 / *Amended by* OJ L151 11.06.2008, p. 3 | 14.03.2008 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 25.02.08 |
| 4 | a | Digestibility enhancers | 4a1600 | 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos 5 000 / Natuphos 5 000 G / Natuphos 5 000 L / Natuphos 10 000 G / Natuphos 10 000 L) (Holder of the authorisation BASF SE) [Sows] | Reg. (EC) No 505/2008 of 6 June 2008 | OJ L 149, 07.06.2008, p. 33 | 27.06.2008 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 09.06.08 |
| 4 | a | Digestibility enhancers | 4a1600 | 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Holder of the authorisation BASF SE) [all minor avian species, other than ducks, and for ornamental birds] | Reg. (EC) No 327/2010 of 21 April 2010 | OJ L 100, 22.04.2010, p. 3 | 12.05.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 22.04.10 |
| 4 | a | Digestibility enhancers | 4a1601 | Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Aspergillus niger* (NRRL 25541) (Holder of the authorisation Andrés Pintaluba S.A. [Chickens for fattening; Laying hens; Pigs for fattening; Minor poultry species; Minor porcine species for fattening] | Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017 | OJ L 267, 18.10.2017, p. 1 | 07.11.2017 | 07.11.2027 | 09.11.17 |
| 4 | a | Digestibility enhancers | 4a1602i | Preparation of endo-1,4-beta-xylanase (EC 3.2.1.8), endo-1,3(4)-beta-glucanase (EC 3.2.1.6) and endo-1,4-beta-glucanase (EC 3.2.1.4), produced by *Trichoderma reesei* (ATCC 74444) (Holder of the authorisation DSM Nutritional Products) [Poultry for fattening other than turkeys for fattening; Poultry for laying; Turkeys for fattening; Piglets (weaned)] | Commission Implementing Regulation (EU) No 403/2013 of 2 May 2013 | OJ L 121, 03.05.2013, p. 33 | 23.05.2013 | 23.05.2023 | 05.05.13 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a1604i | Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by *Talaromyces versatilis* sp. nov. IMI CC 378536 (Holder of the authorisation Adisseo France S.A.S.) [All poultry species; Piglets (weaned); Pigs for fattening] | Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014 | OJ L 87, 22.03.2014, p. 84 | 11.04.2014 | 11.04.2024 | 24.03.14 |
| 4 | a | Digestibility enhancers | 4a1604i | Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by *Talaromyces versatilis* sp. nov. IMI CC 378536 (Holder of the authorisation Adisseo France S.A.S.) [Sows] | Commission Implementing Regulation (EU) No 1138/2014 of 27 October 2014 | OJ L 307, 27.10.2014, p. 30 | 17.11.2014 | 17.11.2024 | 29.10.14 |
| 4 | a | Digestibility enhancers | 4a1606i | Endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Bacillus subtilis* LMG-S 15136 (Holder of the authorisation Beldem, division of Puratos NV) [Poultry; Weaned piglets; pigs for fattening] | Commission Implementing Regulation (EU) 2017/211 of 7 February 2017 | OJ L 33, 08.02.2017, p. 23 | 23.02.2017 | 23.02.2027 | 13.02.17 |
| 4 | a | Digestibility enhancers | 4a1607i | Preparation of endo-1,4-beta-xylanase EC 3.2.1.8 produced by *Aspergillus oryzae* (DSM 10287) [Poultry for fattening; Piglets (weaned); Pigs for fattening] | Commission Implementing Regulation (EU) No 1206/2012 of 14 December 2012 / Amended by Commission Implementing Regulation (EU) 2017/1006 of 15 June 2017 | OJ L 347, 15.12.2005, p. 12 / *Amended by* OJ L 339 16.06.2017, p. 9 | 04.01.2013 | 04.01.2023 | 19.12.12 |
| 4 | a | Digestibility enhancers | 4a1612i | Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by *Aspergillus niger* (NRRL 25541) and alpha- amylase produced by *Aspergillus niger* (ATCC66222) (Holder of the authorisation Andrés Pintaluba S.A.) [Weaned piglets Minor porcine species (weaned)] | Commission Implementing Regulation (EU) 2018/1566 of 18 October 2018 | OJ L 262, 19.10.2018, p. 27 | 08.11.2018 | 08.11.2028 | 19.10.18 |
| 4 | a | Digestibility enhancers | 4a1616 | Preparation of endo-1,4-betaglucanase produced by *Trichoderma citrinoviride* Bisset (IM SD142) / EC 3.2.1.4 (Holder of the authorisation Huvepharma NV) [Chickens for fattening and minor poultry species for fattening; Weaned piglets] | Commission Implementing Regulation (EU) 2015/2305 of 10 December 2015 | OJ L 326, 11.12.2015, p. 43 | 31.12.2015 | 31.12.2025 | 14.12.15 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a1617 | Endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Trichoderma citrinoviride* Bisset (IM SD135) (Holder of the authorisation Huvepharma NV) [Turkeys for fattening and minor poultry species for fattening; Chickens for fattening; Laying hens; Minor poultry species for laying; Weaned piglets; Pigs for fattening] | Commission Implementing Regulation (EU) 2015/1043 of 30 June 2015 | OJ L 167, 01.07.2015, p. 63 | 21.07.2015 | 21.07.2025 | 04.08.15 |
| 4 | a | Digestibility enhancers | 4a1617 | Endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Trichoderma citrinoviride* Bisset (IM SD135) (Holder of the authorisation Huvepharma NV) [Chickens reared for laying; Minor poultry species reared for laying] | Commission Implementing Regulation (EU) 2017/1906 of 18 October 2017 | OJ L 269, 19.10.2017, p. 33 | 08.11.2017 | 08.11.2027 | 09.11.17 |
| 4 | a | Digestibility enhancers | 4a1617 | Endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Trichoderma citrinoviride* Bisset (IM SD135) (Holder of the authorisation Huvepharma NV) [Carp] | Commission Implementing Regulation (EU) 2018/327 of 5 March 2018 | OJ L 63, 06.03.2018, p. 7 | 26.03.2018 | 26.03.2028 | 06.03.18 |
| 4 | a | Digestibility enhancers | 4a1620i | Preparation of endo-1,3(4)-beta-glucanase produced by *Aspergillus aculeatinus* (formerly classified as *Aspergillus aculeatus*) (CBS 589.94), endo-1,4-beta-glucanase produced by *Trichoderma reesei* (formerly classified as *Trichoderma longibrachiatum*) (CBS 592.94), alpha-amylase produced by *Bacillus amyloliquefaciens* (DSM 9553), endo-1,4-beta-xylanase produced by *Trichoderma viride* (NIBH FERM BP4842), bacillolysin produced by *Bacillus amyloliquefaciens* (DSM 9554); Solid form (Holder of the authorisation Kemin Europa NV) [Chickens for fattening; Chickens reared for laying; Minor avian species for laying; Minor avian species reared for laying; Ornamental birds; Piglets (weaned); All Turkeys; Laying hens; Minor avian species for fattening] | Commission Implementing Regulation (EU) 2017/963 of 7 June 2017 | OJ L 145, 08.06.2017, p. 18 | 28.06.2017 | 28.06.2027 | 08.06.17 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | a | Digestibility enhancers | 4a1621i | Preparation of endo-1,3(4)-beta-glucanase produced by *Aspergillus aculeatinus* (formerly classified as *Aspergillus aculeatus*) (CBS 589.94), endo-1,4-beta-glucanase produced by *Trichoderma reesei* (formerly classified as *Trichoderma longibrachiatum*) (CBS 592.94), alpha-amylase produced by *Bacillus amyloliquefaciens* (DSM 9553) and endo-1,4-beta-xylanase produced by *Trichoderma viride* (NIBH FERM BP4842) (Holder of the authorisation Kemin Europa NV) [All avian species] | Commission Implementing Regulation (EU) 2017/429 of 10 March 2017 | OJ L 66, 11.03.2017, p. 4 | 21.03.2017 | 21.03.2027 | 13.03.17 |
| 4 | a | Digestibility enhancers | 4a1640 | 6-Phytase / EC 3.1.3.26 produced by *Schizosaccharomyces pombe* (ATCC 5233) Solid form: 5 000 FTU/g; Liquid form: 5 000 FTU/ml (Phyzyme XP 5000G Phyzyme XP 5000L) (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V. ) [Chickens for fattening; Turkeys for fattening; Laying hens; Piglets (weaned); Ducks for fattening; Pigs for fattening; Sows] | Reg (EC) No 785/2007 of 4 July 2007 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 175, 05.07.2007, p. 4 / *amended by* OJ L35, 07.02.2019, p28 | 25.07.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 09.07.07 |
| 4 | a | Digestibility enhancers | 4a1640 | 6-Phytase / EC 3.1.3.26 produced by *Schizosaccharomyces pombe* (ATCC 5233) Solid coated form: 10 000 FTU/g; Liquid form: 10 000 FTU/ml (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [Chickens for fattening; Turkeys for fattening; Laying hens; Ducks for fattening; Piglets (weaned); Pigs for fattening; Sows] | Reg (EC) No 379/2009 of 8 May 2009 / *Corrigendum* DE in OJ L168 of 30.06.2009, p. 56 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 116, 09.05.2009, p. 6 / *Corrigendum DE* OJ L 168 version DE p. 56 / *amended by* OJ L35, 07.02.2019, p28 | 29.05.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 11.05.09 |

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| 4 | a | Digestibility enhancers | 4a1640 | 6-Phytase / EC 3.1.3.26 produced by *Schizosaccharomyces pombe* (ATCC 5233) Liquid and solid form: 5 000 FTU/g; (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [All avian species for fattening other than chickens for fattening, turkeys for fattening and ducks for fattening; All avian species for laying other than laying hens] | Commission Implementing Regulation (EU) No 840/2012 of 18 September 2012 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 252, 19.09.2012, p. 14 / *amended by* OJ L35, 07.02.2019. p28 | 09.10.2012 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 01.10.12 |
| 4 | a | Digestibility enhancers | 4a1641(i) | 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 14223) (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. z o.o) [Poultry for breeding and for laying; Other poultry; Pigs for breeding and minor porcine species for breeding] | Reg (EC) No 171/2011 of 23 February 2011 | OJ L 49, 24.02.2011, p. 11 | 16.03.2011 | 16.03.2021 | 24.02.11 |
| 4 | a | Digestibility enhancers | 4a1641(i) | 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 14223) (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. z o.o) [Salmonids] | Reg (EC) No 221/2011 of 4 March 2011 | OJ L 60, 05.03.2011, p. 3 | 25.03.2011 | 25.03.2021 | 09.03.11 |
| 4 | a | Digestibility enhancers | 4a1642 | Endo-1,4-beta-xylanase produced by *Trichoderma koningii* (MUCL 39203) (Holder of the authorisation Lyven) [Turkeys for fattening, Turkeys reared for laying] | Commission Implementing Regulation (EU) No 1195/2012 of 13 December 2012 | OJ L 342, 14.12.2012, p. 23 | 03.01.2013 | 03.01.2023 | 14.12.12 |
| 4 | a | Digestibillity enhancers | 4b1702 | *Saccharomyces cerevisiae* CNCM I-4407 (Holder of the authorisation Société Industrielle Lesaffre) [Horses] | Commission Implementing Regulation (EU) 2019/899 of 29 May 2019 | OJ L 144, 03.06.2019, p. 32 | 23.06.2019 | 23.06.2029 | 03.06.19 |
| 4 | a | Digestibility enhancers | 4a1704 | *Saccharomyces cerevisiae* CBS 493.94 (Holder of the authorisation Alltech France) [Horses] | Reg. (EC) No 886/2009 of 25 september 2009 | OJ L 254, 26.09.2009, p. 66 | 16.10.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 28.09.09 |
| 4 | a | Digestibility enhancers | 4a1711 | *Saccharomyces cerevisiae* CNCM I-1077 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Horses] | Reg. (EC) No 910/2009 of 29 September 2009 / *Amended by* Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 | OJ L 257, 30.09.2009, p. 7 / *Amended by* OJ L 342, 16.12.2016, p. 14 | 20.10.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 30.09.09 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | b | Gut flora stabilisers | 4b1700i | *Bacillus subtilis* (DSM 5750) *and Bacillus licheniformis* (DSM 5749) (Holder of the authorisation Chr. Hansen A/S) [Weaned piglets; Pigs for fattening; Sows; Calves for rearing; Turkeys for fattening] | Commission Implementing Regulation (EU) 2017/447 of 14 March 2017 | OJ L 69, 15.03.2017, p. 18 | 04.04.2017 | 04.04.2027 | 20.03.17 |
| 4 | b | Gut flora stabilisers | 4b1700i | *Bacillus subtilis* (DSM 5750) *and Bacillus licheniformis* (DSM 5749) (Holder of the authorisation Chr. Hansen A/S) [Suckling piglets] | Commission Implementing Regulation (EU) 2017/2308 of 13 December 2017 | OJ L 3319, 14.12.2017, p. 19 | 03.01.2018 | 03.01.2028 | 29.01.18 |
| 4 | a | Digestibility enhancers | 4b1702 | *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société Industrielle Lesaffre) [Horses] | Reg. (EC) No 186/2007 of 21 February 2007 / *Amended by* Reg (EC) No 897/2009 of 25 September 2009 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 63, 01.03.2007, p. 6 / *Amended by* OJ L 256, 29.09.2009, p. 8 / *Amended by* OJ L 307, 07.11.2012, p. 56 | 21.03.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 01.03.07 |
| 4 | b | Gut flora stabilisers | 4b1702 | *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société Industrielle Lesaffre) [Dairy goats and dairy sheep] | Reg. (EC) No 188/2007 of 23 February 2007 / *Amended by* Reg (EC) No 897/2009 of 25 September 2009 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 57, 24.02.2007, p. 3 / *Amended by* OJ L 256, 29.09.2009, p. 8 / Amended by OJ L 307, 07.11.2012, p. 56 | 16.03.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 26.02.07 |
| 4 | b | Gut flora stabilisers | 4b1702 | *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société Industrielle Lesaffre) [Pigs for fattening] | Reg. (EC) No 209/2008 of 6 March 2008 / *Amended by* Reg (EC) No 897/2009 of 25 September 2009 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 63, 07.03.2008, p. 3 / *Amended by* OJ L 256, 29.09.2009, p. 8 / *Amended by* OJ L 307, 07.11.2012, p. 56 | 27.03.2008 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.03.08 |
| 4 | b | Gut flora stabilisers | 4b1702 | *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société Industrielle Lesaffre) [Dairy buffaloes] | Reg. (EC) No 232/2009 of 19 March 2009 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 74, 20.03.2009, p. 14 / *Amended by* OJ L 307, 07.11.2012, p. 56 | 08.04.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 20.03.09 |
| 4 | b | Gut flora stabilisers | 4b1702 | *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société industrielle Lesaffre) [Calves for rearing] | Reg. (EU) No 883/2010 of 7 October 2010 | OJ L 265, 08.10.2010, p. 1 | 28.10.2010 | 28.10.2020 | 08.10.10 |
| 4 | b | Gut flora stabilisers | 4b1702 | *Saccharomyces cerevisiae* CNCM I-4407 (Holder of the authorisation Société Industrielle Lesaffre) [Rabbits for fattening and non food- producing rabbits] | Commission Implementing Regulation (EU) No 334/2012 of 19 April 2012 | OJ L 108, 20.04.2012, p. 6 | 11.05.2012 | 11.05.2022 | 20.04.12 |

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| 4 | b | Gut flora stabilisers | 4b1702 | *Saccharomyces cerevisiae* CNCM I-4407 (Holder of the authorisation Société Industrielle Lesaffre) [Lambs for fattening; Dairy goats and dairy sheep; Pigs for fattening; Dairy buffaloes] | Commission Implementing Regulation (EU) 2019/899 of 29 May 2019 | OJ L 144, 03.06.2019, p. 32 | 23.06.2019 | 23.06.2029 | 03.06.19 |
| 4 | b | Gut flora stabiliser | 4a1704 | *Saccharomyces cerevisiae* CBS 493.94 (Holder of the authorisation Alltech France) [Dairy cows and minor dairy ruminant species; Cattle for fattening and minor ruminant species for fattening] | Commission Implementing Regulation (EU) No 1109/2014 of 20 October 2014 | OJ L 301, 21.10.2014, p. 19 | 10.11.2014 | 10.11.2024 | 21.10.14 |
| 4 | b | Gut flora stabilisers | 4b1705 | *Enterococcus faecium* NCIMB 10415 (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o) [Chickens for fattening] | Commission Implementing Regulation (EU) No 361/2011 of 13 April 2011 / *Amended* by Commission Implementing Regulation (EU) 2015/518 of 26 March 2015 | OJ L 100, 14.04.2011, p. 22 / *Amended by* OJ L 82, 27.03.2015, p. 75 | 04.05.2011 | 04.05.2021 | 14.04.11 |
| 4 | b | Gut flora stabilisers | 4b1705 | *Enterococcus faecium* NCIMB 10415 (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o) [Calves, Kids, Cats] | Commission Implementing Regulation (EU) No 1061/2013 of 29 October 2013 | OJ L 289, 31.10.2013, p. 38 | 19.11.2013 | 19.11.2023 | 05.11.13 |
| 4 | b | Other zootechnical additives | 4b1705 | *Enterococcus faecium* NCIMB 10415 (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o ) [Dogs] | Commission Implementing Regulation (EU) No 1061/2013 of 29 October 2013 | OJ L 289, 31.10.2013, p. 38 | 19.11.2013 | 19.11.2023 | 05.11.13 |
| 4 | b | Gut flora stabilisers | 4b1705 | *Enterococcus faecium* NCIMB 10415 (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o ) [Chickens reared for laying; Minor poultry species for fattening and minor poultry species reared for laying] | Commission Implementing Regulation (EU) No 2015/518 of 26 March 2015 | OJ L 82, 27.03.2015, p. 75 | 16.04.2015 | 16.04.2025 | 09.04.15 |
| 4 | b | Gut flora stabilisers | 4b1705 | *Enterococcus faecium* NCIMB 10415 (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o ) [Sows; Suckling piglets; Weaned piglets; Pigs for fattening] | Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 | OJ L 2, 04.01.2019, p. 17 | 24.01.2019 | 24.01.2029 | 23.01.19 |
| 4 | b | Gut flora stabilisers | 4b1706 | *Enterococcus faecium* DSM 7134, *Lactobacillus rhamnosus* DSM 7133 [Calves for rearing] | Commission Implementing Regulation (EU) No 1101/2013 of 6 November 2013 | OJ L 296, 07.11.2013, p. 1 | 27.11.2013 | 27.11.2023 | 08.11.13 |

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| 4 | b | Gut flora stabilisers | 4b1707 | *Enterococcus faecium* DSM 10663/ NCIMB 10415 (Holder of the authorisation Chevita Tierarzneimittel-GmbH) [Calves for rearing; Piglets (suckling and weaned); Chickens for fattening; Turkeys for fattening; Cats; Dogs] | Commission Implementing Regulation (EU) 2015/1053 of 1 July 2015 | OJ L 171, 01.07.2015, p. 8 | 22.07.2015 | 22.07.2025 | 04.08.15 |
| 4 | b | Gut flora stabilisers | 4b1708 | *Enterococcus faecium* NCIMB 11181 (Solid form Solid water soluble form) (Holder of the authorisation Chr. Hansen A/S) [Calves; Piglets (weaned)] | Commission Implementing Regulation (EU) No 797/2013 of 21 August 2013 | OJ L 224, 22.08.2013, p. 6 | 11.09.2013 | 11.09.2023 | 28.08.13 |
| 4 | b | Gut flora stabilisers | 4b1710 | *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Sows] | Reg. (EC) No 896/2009 of 25 September 2009 | OJ L 256, 29.09.2009, p. 6 | 19.10.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.09.09 |
| 4 | b | Gut flora stabilisers | 4b1710 | *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Dairy cows; Horses] | Reg. (EU) No 1119/2010 of 2 December 2010 | OJ L 317, 03.12.2010, p. 9 | 23.12.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 03.12.10 |
| 4 | b | Gut flora stabilisers | 4b1710 | *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Piglets (Weaned)] | Reg. (EU) No 170/2011 of 23 February 2011 | OJ L 49, 24.02.2011, p. 8 | 16.03.2011 | 16.03.2021 | 24.02.11 |
| 4 | b | Gut flora stabilisers | 4b1710 | *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Cattle for fattening] | Commission Implementing Regulation (EU) No 1059/2013 of 29 October 2013 | OJ L 289, 31.10.2013, p. 30 | 19.11.2013 | 19.11.2023 | 05.11.13 |
| 4 | b | Gut flora stabilisers | 4b1710 | *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Minor ruminants for fattening; Minor ruminants for dairy production] | Commission Implementing Regulation (EU) 2016/104 of 27 January 2016 | OJ L 21, 28.01.2016, p. 71 | 16.02.2016 | 16.02.2026 | 28.01.16 |
| 4 | b | Gut flora stabilisers | 4b1711 | *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Lambs] | Reg. (EC) No 1293/2008 of 18 December 2008 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 / *Amended by* Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 | OJ L 340, 19.12.2008, p. 38 / *Amended by* OJ L 307, 07.11.2012, p. 56 / *Amended by* OJ L 342, 16.12.2016, p. 14 | 08.01.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 22.12.08 |

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| 4 | b | Gut flora stabilisers | 4b1711 | *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Dairy goats, dairy sheep] | Reg. (EC) No 226/2007 / *Corrigendum* DE OJ L 84, 24.03.2007, p. 46 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 / *Amended by* Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 | OJ L 64, 02.03.2007, p. 26 / *Corrigendum* DE OJ L 84, 24.03.2007, p. 46 / *Amended by* OJ L 307, 07.11.2012, p. 56 / *Amended by* OJ L 342, 16.12.2016, p. 14 | 22.03.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 02.03.07 |
| 4 | b | Gut flora stabilisers | 4b1711 | *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Dairy goats, dairy sheep] | Commission Implementing Regulation (EU) 2019/857 of 27 May 2019 | OJ L 140, 28.05.2019, p. 18 | 17.06.2019 | 17.06.2029 | 28.05.19 |
| 4 | b | Gut flora stabilisers | 4d1712 | *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Piglets (weaned) (drinking water); Pigs for fattening (drinking water); Laying hens (drinking water); Chickens for fattening (drinking water)] | Commission Implementing Regulation (EU) No 413/2013 of 6 May 2013 / *Amended by* Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 / *Amended by* Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 | OJ L 125, 07.05.2013, p. 1 / *Amended by* OJ L 342, 16.12.2016, p. 14 / *Amended by* OJ L 33, 13.12.2017, p. 33 | 27.05.2013 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 08.05.13 |
| 4 | b | Gut flora stabilisers | 4d1712 | *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Piglets (weaned)] | Reg. (EU) No 1120/2010 of 2 December 2010 | OJ L 317, 03.12.2010, p. 12 / *Amended by* OJ L 342, 16.12.2016, p. 14/ | 23.12.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 03.12.10 |
| 4 | b | Gut flora stabilisers | 4d1712 | *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Laying hens] | Reg. (EU) No 212/2011 of 3 March 2011 / *Amended by* Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 | OJ L 59, 04.03.2011, p. 1 / *Amended by* OJ L 342, 16.12.2016, p. 14 | 24.03.2011 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 09.03.11 |
| 4 | b | Gut flora stabilisers | 4d1712 | *Pediococcus acidilactici* CNCM MA 18/5M in water for drinking (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Pigs for fattening; Minor porcine species (weaned and for fattening; Minor porcine species (weaned and for fattening] | Commission Implementing Regulation (EU) 2017/2299 of 12 December 2017 | OJ L 329, 13.12.2017, p. 33 | 02.01.2018 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 29.01.18 |

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| 4 | b | Gut flora stabilisers | 4b1713 | *Enterococcus faecium* CECT 4515 (Holder of the authorisation Evonik Nutrition & Care GmbH) [Chickens for fattening] | Commission Implementing Regulation (EU) No 887/2011 of 5 September 2011 / *Amended by* Commission Implementing Regulation (EU) 2017/173 of 1 February 2017 / *Amended by* Commission Implementing Regulation (EU) 2017/961 of 7 June 2017 | OJ L 229, 06.09.2011, p. 7 / *Amended by* OJ L 28, 02.02.2017, p. 5 / *Amended by* OJ L 145, 08.06.2017, p. 7 | 26.09.2011 | 26.09.2021 | 06.09.11 |
| 4 | b | Gut flora stabilisers | 4b1713 | *Enterococcus faecium* CECT 4515 (Holder of the authorisation Evonik Nutrition & Care GmbH) [Weaned piglets] | Commission Implementing Regulation (EU) No 2017/961 of 7 June 2017 | OJ L 145, 08.06.2017, p. 7 | 28/06.2017 | 28.06.2027 | 08.06.17 |
| 4 | b | Gut flora stabilisers | 4b1715 | *Lactobacillus acidophilus* CECT 4529 (Holder of the authorisation Centro Sperimentale del Latte) [Laying hens] | Commission Implementing Regulation (EU) 2015/38 of 13 January 2015 | OJ L 8, 14.01.2015, p. 4 / *Corrigendum SL* OJ L 128 SL, 23.05.2015, p 29 | 03.03.2015 | 03.03.2025 | 15.01.15 |
| 4 | b | Gut flora stabilisers | 4b1715 | *Lactobacillus acidophilus* CECT 4529 (Holder of the authorisation Centro Sperimentale del Latte) [Chickens for fattening] | Commission Implementing Regulation (EU) 2017/2275 of 8 December 2017 | OJ L 326, 09.12.2017, p. 47 | 29.12.2017 | 29.12.2027 | 11.12.17 |
| 4 | b | Gut flora stabilisers | 4b1715 | *Lactobacillus acidophilus* CECT 4529 (Holder of the authorisation Centro Sperimentale del Latte) [Cats and dogs] | Commission Implementing Regulation (EU) 2018/1558 of 17 October 2018 | OJ L 261, 18.11.2018, p. 13 | 07.11.2018 | 07.11.2028 | 18.10.18 |
| 4 | b | Gut flora stabilisers | 4b1820 | *Bacillus subtilis* C-3102 (DSM 15544) (Calsporin) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Chickens for fattening] | Reg. (EC) No 1444/2006 of 29 September 2006 / *Amended by* REG (EC) No 164/2008 of 23 February 2008 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 / *Amended by* Commission Implementing Regulation (EU) No 2016/897 of 8 June 2016 | OJ L 271, 30.09.2006, p. 19 / *Amended by* OJ L 50, 23.02.2008, p 6 / *Amended by* OJ L 307, 07.11.2012, p. 56 / *Amended by* OJ L 152, 09.06.2016, p. 7 | 20.10.2006 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 02.10.06 |
| 4 | b | Gut flora stabilisers | 4b1820 | *Bacillus subtilis* C-3102 (DSM 15544) (Calsporin) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Chickens for fattening] | Commission Implementing Regulation (EU) 2019/893 of 28 May 2019 | OJ L 142, 29.05.2019, p. 60 | 18.06.2019 | 18.06.2029 | 29.05.19 |
| 4 | b | Gut flora stabilisers | 4b1820 | *Bacillus subtilis* C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Piglets (weaned)] | Reg. (EC) No 333/2010 of 22 April 2010 / *Amended by* Commission Implementing Regulation (EU) No 2016/897 of 8 June 2016 | OJ L 102, 23.4.2010, p. 19 / *Amended by* OJ L 152, 09.06.2016, p. 7 | 13.05.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 23.04.10 |

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| 4 | b | Gut flora stabilisers | 4b1820 | *Bacillus subtilis* C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Chickens reared for laying; Turkeys, minor avian species and other ornamental and game birds] | Reg. (EC) No 184/2011 of 25 February 2011 / *Amended by* Commission Implementing Regulation (EU) No 2016/897 of 8 June 2016 | OJ L 53, 26.02.2011, p. 33 / *Amended by* OJ L 152, 09.06.2016, p. 7 | 18.03.2011 | 18.03.2021 | 28.02.11 |
| 4 | b | Gut flora stabilisers | 4b1820 | *Bacillus subtilis* C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Laying Hens; Ornamental fish] | Commission Implementing Regulation (EU) No 2016/897 of 8 June 2016 | OJ L 152, 09.06.2016, p. 7 | 29.06.2016 | 29.06.2026 | 09.06.16 |
| 4 | b | Gut flora stabilisers | 4b1820 | *Bacillus subtilis* C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Sows; Suckling piglets; Dogs] | Commission Implementing Regulation (EU) 2017/2312 of 13 December 2017 | OJ L 331, 14.12.2017, p.41 | 03.01.2018 | 03.01.2028 | 30.01.18 |
| 4 | b | Gut flora stabilisers | 4b1820 | *Bacillus subtilis* C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office) [Pigs for fattening] | Commission Implementing Regulation (EU) 2018/1081 of 31 July 2018 | OJ L 194, 31.08.2018, p.137 | 20.08.2018 | 20.08.2028 | 31.07.18 |
| 4 | b | Gut flora stabilisers | 4b1821 | *Bacillus subtilis* DSM 17299 (O35) (Holder of the authorisation Chr. Hansen A/S) [Chickens for fattening] | Reg. (EC) No 1137/2007 of 1 October 2007 / *Amended by* Reg (EC) No 203/2009 of 16 March 2009 / *Amended by* Reg (EU) No 515/2010 of 15 June 2010 / *Amended by* Commission Implementing Regulation (EU) No 881/2011 of 2 September 2011 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 265, 02.10.2007, p. 5 / *Amended by* OJ L 71, 17.03.2009, p. 11 / *Amended by* OJ L 150, 16.06.2010, p. 44 / *Amended by* OJ L 228, 03.09.2011, p. 9 / *Amended by* OJ L 307, 07.11.2012, p. 56 | 22.10.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 02.10.07 |

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| 4 | b | Gut flora stabilisers | 4b1822 | *Bacillus amyloliquefaciens* CECT 5940 (Ecobiol and Ecobiol plus) (Holder of the authorisation Evonik Nutrition & Care GmbH) [Chickens for fattening] | Reg. (EC) No 1292/2008 of 18 December 2008 / *Amended by* Reg (EU) No 336/2011 of 7 April 2011 / *Amended by* Commission Implementing Regulation (EU) 2017/173 of 1 February 2017 | OJ L 340, 22.12.2008, p. 36 / *Amended by* OJ L 94, 08.04.2011, p. 17 / *Amended by* OJ L 28, 02.02.2017, p. 5 | 08.01.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 22.12.08 |
| 4 | b | Gut flora stabilisers | 4b1823 | *Bacillus subtilis* ATCC PTA-6737 (Holder of the authorisation Kemin Europa NV) [Chickens for fattening] | Reg. (EU) No 107/2010 of 8 February 2010 / *Amended by* Reg. (EU) No 168/2011 of 23 February 2011 | OJ L 36, 09.02.2010, p. 1 / *Amended by* OJ L 49, 24.02.2011, p. 4 | 01.03.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 09.02.10 |
| 4 | b | Gut flora stabilisers | 4b1823 | *Bacillus subtilis* ATCC PTA-6737 (Holder of the authorisation Kemin Europa NV) [Chickens reared for laying; ducks for fattening; quails; pheasants; partridges; guinea fowl; pigeons; geese for fattening; Ostriches] | Commission Implementing Regulation (EU) No 885/2011 of 5 September 2011 | OJ L 229, 06.09.2011 p. 3 | 26.09.2011 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 06.09.11 |
| 4 | b | Gut flora stabilisers | 4b1823 | *Bacillus subtilis* ATCC PTA-6737 (Holder of the authorisation Kemin Europa NV) [(Weaned) piglets and (weaned) Suidae other than *Sus scrofa domesticus*] | Commission Implementing Regulation (EU) No 306/2013 of 2 April 2013 | OJ L 91, 03.04.2013, p. 5 | 23.04.2013 | 23.04.2023 | 03.04.13 |
| 4 | b | Gut flora stabilisers | 4b1823 | *Bacillus subtilis (*ATCC PTA-6737) (Holder of the authorisation Kemin Europa NV) [Turkeys for fattening and turkeys reared for breeding] | Commission Implementing Regulation (EU) No 787/2013 of 16 August 2013 | OJ L 220, 17.08.2013, p. 15 | 06.09.2013 | 06.09.2023 | 27.08.13 |
| 4 | b | Gut flora stabilisers | 4b1823 | *Bacillus subtilis (*ATCC PTA-6737) (Holder of the authorisation Kemin Europa NV) [Laying hens; Minor poultry species for laying] | Commission Implementing Regulation (EU) 2015/1020 of 29 June 2015 | OJ L 163, 30.06.2015, p. 22 | 20.07.2015 | 20.07.2025 | 03.08.15 |
| 4 | b | Gut flora stabilisers | 4b1823 | *Bacillus subtilis (*ATCC PTA-6737) (Holder of the authorisation Kemin Europa NV) [Sows] | Commission Implementing Regulation (EU) 2017/2276 of 8 December 2017 | OJ L 326, 09.12.2015, p. 50 | 29.12.2017 | 29.12.2027 | 11.12.17 |
| 4 | b | Gut flora stabilisers | 4b1824 | *Bacillus subtilis* (CBS 117162) (Holder of the authorisation Krka d.d.) [Piglets (weaned); Pigs for fattening] | Commission Implementing Regulation (EU) No 91/2012 of 2 February 2012 | OJ L 31, 03.02.2012, p. 3 | 23.02.2012 | 23.02.2022 | 06.02.12 |
| 4 | b | Gut flora stabilisers | 4b1825 | *Bacillus subtilis* (DSM 28343) (Holder of the authorisation Lactosan GmbH & Co. KG) [chicken s for fattening] | Commission Implementing Regulation (EU) 2017/187 of 2 February 2017 | OJ L 29, 03.02.2017, p. 35 | 23.02.2017 | 23.02.2027 | 13.02.17 |
| 4 | b | Gut flora stabilisers | 4b1825 | *Bacillus subtilis* (DSM 28343) (Holder of the authorisation Lactosan GmbH & Co. KG) [Piglets (weaned)] | Commission Implementing Regulation (EU) 2018/1079 of 30 July 2018 | OJ L 194, 31.07.2018, p. 131 | 20.08.2018 | 20.08.2028 | 31.07.18 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | b | Gut flora stabilisers | 4b1826 | *Bacillus subtilis* (DSM 27273) (Holder of the authorisation Chr.Hansen A/S) [Weaned piglets; Weaned minor porcine species] | Commission Implementing Regulation (EU) 2017/219 of 8 February 2017 | OJ L 34, 09.02.2017, p. 18 | 01.03.2017 | 01.03.2027 | 13.02.17 |
| 4 | b | Gut flora stabilisers | 4b1827 | *Bacillus amyloliquefaciens* (PTA-6507), *Bacillus amyloliquefaciens* (NRRL B-50013) and *Bacillus amyloliquefaciens* (NRRL B-50104) (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [Chickens for fattening; Chickens reared for laying; Minor poultry species for fattening and reared for laying] | Commission Implementing Regulation (EU) 2017/440 of 13 March 2017 / *amended by* Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 | OJ L 67, 14.03.2017, p. 74 / *amended by* OJ L35, 07.02.2019, p28 | 03.04.2017 | 03.04.2027 | 16.03.17 |
| 4 | b | Gut flora stabilisers | 4b1828 | *Bacillus licheniformis* (DSM 28710) (Holder of the authorisation Huvepharma NV) [Chickens for fattening; Chickens reared for laying] | Commission Implementing Regulation (EU) 2017/1904 of 18 October 2017 | OJ L 269, 19.10.2017, p. 27 | 08.11.2017 | 08.11.2027 | 09.11.17 |
| 4 | b | Gut flora stabilisers | 4b1828 | *Bacillus licheniformis* (DSM 28710) (Holder of the authorisation Huvepharma NV) [Turkeys for fattening; Turkeys reared for breeding; Minor poultry species for fattening or reared for laying] | Commission Implementing Regulation (EU) 2019/914 of 26 May 2019 | OJ L 146, 05.06.2019, p. 60 | 25.06.2019 | 25.06.2029 | 05.06.19 |
| 4 | b | Gut flora stabilisers | 4b1829 | *Bacillus subtilis* DSM 29784 (Holder of the authorisation Adisseo France SAS) [Chickens for fattening; Chickens reared for laying] | Commission Implementing Regulation (EU) 2018/328 of 5 March 2018 | OJ L 63, 06.03.2018, p. 10 | 26.03.2018 | 26.03.2028 | 06.03.18 |
| 4 | b | Gut flora stabilisers | 4b1829 | *Bacillus subtilis* DSM 29784 (Holder of the authorisation Adisseo France SAS) [Minor poultry species for fattening and reared for laying] | Commission Implementing Regulation (EU) 2018/1080 of 31 July 2018 | OJ L 194, 31.07.2018, p. 134 | 20.08.2018 | 20.08.2028 | 31.07.18 |
| 4 | b | Gut flora stabilisers | 4b1830 | Preparation of *Clostridium butyricum* (FERM-BP 2789) (Holder of the authorisation Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [chickens for fattening] | Reg. (EC) No 903/2009 of 28 September 2009 / *Amended by* Commission Implementing Regulation (EU) No 373/2011 of 15 April 2011 / *Amended by* Commission Implementing Regulation (EU) No 357/2013 of 18 April 2013 / *Amended by* Commission Implementing Regulation (EU) No 2017/1126 of 23 June 2017 | OJ L 256, 29.09.2009, p. 26 / *Amended by* OJ L 102, 16.04.2011, p. 10 / *Amended by* OJ L 109, 19.04.2013, p. 22 / *Amended by* OJ L 163, 23.06.2017, p. 13 | 19.10.2009 | 19.10.2019 | 29.09.09 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | b | Gut flora stabilisers | 4b1830 | Preparation of *Clostridium butyricum* (FERM BP-2789) (Holder of the authorisation Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [Minor avian species (excluding laying birds); Piglets (weaned) and minor porcine species (weaned)] | Commission Implementing Regulation (EU) No 373/2011 of 15 April 2011 / *Amended by* Commission Implementing Regulation (EU) No 357/2013 of 18 April 2013 / *Amended by* Commission Implementing Regulation (EU) No 2017/1126 of 23 June 2017 | OJ L 102, 16.04.2011, p. 10 / *Amended by* OJ L 109, 19.04.2013, p. 22 / *Amended by* OJ L 163, 23.06.2017, p. 13 | 06.05.2011 | 06.05.2021 | 19.04.11 |
| 4 | b | Gut flora stabilisers | 4b1830 | Preparation of *Clostridium butyricum* (FERM BP-2789) (Holder of the authorisation Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [Chickens reared for laying] | Commission Implementing Regulation (EU) No 374/2013 of 23 April 2013 / *Amended by* Commission Implementing Regulation (EU) No 2017/1126 of 23 June 2017 | OJ L 112, 24.04.2013, p. 13 / *Amended by* OJ L 163, 23.06.2017, p. 13 | 14.05.2013 | 14.05.2023 | 24.04.13 |
| 4 | b | Gut flora stabilisers | 4b1830 | Preparation of *Clostridium butyricum* (FERM BP-2789) (Holder of the authorisation Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [Turkeys for fattening; Turkeys reared for breeding ] | Commission Implementing Regulation (EU) No 1108/2014 of 20 October 2014 / *Amended by* Commission Implementing Regulation (EU) No 2017/1126 of 23 June 2017 | OJ L 301, 21.10.2014, p. 16 / *Amended by* OJ L 163, 23.06.2017, p. 13 | 10.11.2014 | 10.11.2024 | 21.10.14 |
| 4 | b | Gut flora stabilisers | 4b1841 | *Enterococcus faecium* (DSM 7134) (Bonvital) (Holder of the authorisation Lactosan Starterkulturen GmbH & Co KG) [Piglets (weaned); Pigs for fattening] | Reg. (EC) No 538/2007 of 15 may 2007 | OJ L 128, 16.05.2007, p. 16 | 05.06.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.05.07 |
| 4 | b | Gut flora stabilisers | 4b1841 | *Enterococcus faecium* (DSM 7134) (Holder of the authorisation Lactosan GmbH & Co KG) [Chickens for fattening] | Reg. (EU) No 998/2010 of 5 November 2010 | OJ L 290, 06.11.2010, p. 22 | 26.11.2010 | 26.11.2020 | 08.11.10 |
| 4 | b | Gut flora stabilisers | 4b1841 | *Enterococcus faecium* (DSM 7134) (Holder of the authorisation Lactosan GmbH & Co KG) [Chickens reared for laying; Minor poultry species (other than those used for laying)] | Commission Implementing Regulation (EU) No 775/2013 of 12 August 2013 | OJ L 170, 13.08.2013, p. 32 | 02.09.2013 | 02.09.2023 | 13.08.13 |
| 4 | b | Gut flora stabilisers | 4b1841 | *Enterococcus faecium* (DSM 7134) (Bonvital) (Holder of the authorisation Lactosan Starterkulturen GmbH & Co KG) [Sows] | Commission Implementing Regulation (EU) No 1083/2014 of 15 October 2014 | OJ L 298, 16.10.2014, p. 5 | 05.11.2014 | 05.11.2024 | 17.10.14 |
| 4 | b | Gut flora stabilisers | 4b1871 | *Saccharomyces cerevisiae* NCYC R404 (Holder of the authorisation Micron Bio-Systems Ltd, represented by FeedVision BV.) [Dairy cows] | Commission Implementing Regulation (EU) No 2015/502 of 24 March 2015 / Amended by Commission Implementing Regulation (EU) 2019/146 of 30 January 2019 | OJ L 79, 25.03.2015, p. 57 / *Amended by* OJ L 27, 31.01.2019, p. 12 | 14.04.2015 | 14.04.2025 | 09.04.15 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | b | Gut flora stabilisers | 4b1872 | *Saccharomyces cerevisiae* NCYC R-625 (Holder of the authorisation Integro Gida SAN. ve TIC. A.S. represented by RM Associates Ltd) [Piglets (weaned)] | Commission Implementing Regulation (EU) No 1074/2011 of 24 October 2011 | OJ L 278, 25.10.2011, p. 5 | 14.11.2011 | 14.11.2021 | 26.10.11 |
| 4 | b | Gut flora stabilisers | 4b1890 | *Bifidobacterium animalis ssp. animalis* (DSM 16284), *Lactobacillus salivarius ssp. salivarius* DSM 16351 and *Enterococcus faecium* DSM 21913 (Holder of the authorisation Biomin GmbH) [Chickens for fattening] | Commission Implementing Regulation (EU) No 544/2013 of 14 June 2013 / *Amended by* Commission Implementing Regulation (EU) 2015/1105 of 8 July 2015 | OJ L 163, 15.06.2013, p. 13 / *Amended by* OJ L 181, 09.07.2015, p. 65 | 05.07.2013 | 05.07.2023 | 20.06.13 |
| 4 | b | Gut flora stabilisers | 4b1890 | *Bifidobacterium animalis ssp. animalis* (DSM 16284), *Lactobacillus salivarius ssp. salivarius* DSM 16351 and *Enterococcus faecium* DSM 21913 (Holder of the authorisation Biomin GmbH) [Chickens reared for laying; minor poultry species other than laying] | Commission Implementing Regulation (EU) 2015/1105 of 8 July 2015 | OJ L 181, 09.07.2015, p. 65 | 29.07.2015 | 29.07.2025 | 04.08.15 |
| 4 | b | Gut flora stabilisers | 4b1891 | *Enterococcus faecium* NBIMCC 8270*; Lactobacillus acidophilus* NBIMCC 8242*, Lactobacillus helveticus* NBIMCC 8269*, Lactobacillus delbrueckii ssp. lactis* NBIMCC 8250*, Lactobacillus delbrueckii ssp. bulgaricus* NBIMCC 8244*, and Streptococcus thermophilus* NBIMCC 8253 (Holder of the authorisation Lactina Ltd) [Suckling piglets] | Commission Implementing Regulation (EU) No 1077/2013 of 31 October 2013 | OJ L 292, 01.11.2013, p. 3 | 21.11.2013 | 21.11.2023 | 11.11.13 |
| 4 | b | Gut flora stabilisers | 4b1892 | *Lactococcus lactis* PCM B/00039, *Carnobacterium divergens* PCM KKP 2012p*, Lactobacillus casei* PCM B/00080*, Lactobacillus plantarum* PCM B/00081 and *Saccharomyces cerevisiae* PCM KKP 2059p (Holder of the authorisation JHJ Ltd) [Chickens for fattening] | Commission Implementing Regulation (EU) No 2017/1008 of 15 June 2017 | OJ L 153, 16.06.2017, p. 16 | 06.07.2017 | 06.07.2027 | 20.06.17 |
| 4 | b | Gut flora stabilizsers | 4d1703 | *Saccharomyces cerevisiae* CNCM I-1079 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Sows; Weaned piglets] | Commission Implementing Regulation (EU) No 2018/347 of 5 March 2018 | OJ L 67, 09.03.2018, p. 21 | 29.03.2018 | 29.03.2028 | 09.03.18 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | b | Gut flora stabilizsers | 4d1703 | *Saccharomyces cerevisiae* CNCM I-1079 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [All pigs other than sows and weaned piglets; All minor porcine species] | Commission Implementing Regulation (EU) No 2019/892 of 28 May 2019 | OJ L 142, 29.05.2019, p. 57 | 18.06.2019 | 18.06.2029 | 29.05.19 |
| 4 | d | Other zootechnical additives | 4d1 | Lanthanum carbonate octahydrate (Lantharenol) (Holder of the authorisation Bayer HealthCare AG) [Cats] | Reg. (EC) No 163/2008 of 22 February 2008 / *Corrigendum* 03.04.08 | OJ L 50, 23.02.2008, p. 3 / *Corrigendum* OJ L 92, 03.04.08, p. 40 | 06.03.2008 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 25.02.08 |
| 4 | d | Other zootechnical additives | 4d1 | Lanthanum carbonate octahydrate (Lantharenol) (Holder of the authorisation Bayer HealthCare AG) [Cats] | Commission Implementing Regulation (EU) 2019/913 of 29 May 2019 | OJ L 146, 05.06.2019, p. 57 | 25.06.2019 | 25.06.2029 | 05.06.19 |
| 4 | d | Other zootechnical additives | 4d1 | Lanthanum carbonate octahydrate (Lantharenol) (Holder of the authorisation Bayer Animal Health GmbH) [Dogs] | Commission Implementing Regulation (EU) No 842/2012 of 18 September 2012 | OJ L 252, 19.09.2012, p. 21 | 09.10.2012 | 09.10.2022 | 01.10.12 |
| 4 | d | Other zootechnical additives | 4d 3 | Preparation of protected citric acid, sorbic acid, thymol and vanillin (Holder of the authorisation Vetagro SpA) [Piglets (Weaned)] | Reg. (EU) No 1117/2010 of 2 December 2010 | OJ L 317, 03.12.2010, p. 3 | 23.12.2010 | 23.12.2020 | 03.12.10 |
| 4 | d | Other zootechnical additives | 4d 3 | Preparation of protected citric acid, sorbic acid, thymol and vanillin (Holder of the authorisation Vetagro SpA) [Chickens for fattening and reared for laying Minor avian species for fattening and reared for laying; Weaned *Suidae* other than *Sus scrofa domesticus*] | Commission Implementing Regulation (EU) No 849/2012 of 19 September 2012 / *Corrigendum* DE in OJ L 70 DE, 14.03.2013, p. 12 | OJ L 253, 20.09.2012, p. 8 / *Corrigendum DE in* OJ L 70 DE, 14.03.2013, p. 12 | 10.10.2012 | 10.10.2022 | 01.10.12 |
| 4 | d | Other zootechnical additives | 4d4 | Dimethylglycine sodium salt (Holder of the authorisation Taminco BVBA) [Chickens for fattening] | Commission Implementing Regulation (EU) No 371/2011 of 15 April 2011 / *Amended by* Commission Implementing Regulation (EU) No 105/2013 of 4 February 2013 / Amended by Commission Implementing Regulation (EU) No 2018/1936 of 10 December 2018 | OJ L 102, 16.04.2011, p. 6 / *Amended by* OJ L 34, 05.02.2013, p. 15 / Amended by OJ L 314, 11.120.2018, p34 | 06.05.2011 | 06.05.2021 | 19.04.11 |
| 4 | d | Other zootechnical additives | 4d 5 | Sodium benzoate (Holder of the authorisation Taminco Finland Oy) [Piglets (weaned)] | Commission Implementing Regulation (EU) No 496/2011 of 20 May 2011 / *Amended by* Commission Implementing Regulation (EU) No 413/2012 of 15 May 2012 / *Amended by* Commission Implementing Regulation (EU) No 862/2014 of 7 August 2014 in O.J. L 235 of 08.08.2014, p. 12 | OJ L 134, 21.05.2011, p. 9 / *Amended by* OJ L 128 16.05.2012, p. 4 / *Amended by* O.J. L 235 of 08.08.2014, p. 12 | 10.06.2011 | 10.06.2021 | 23.05.11 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | d | Other zootechnical additives | 4d6 | Preparation of caraway oil, lemon oil with dried herbs and spices (Holder of the authorisation Delacon Biotechnik GmbH) [Piglets (weaned)] | Commission Implementing Regulation (EU) No 131/2012 of 15 February 2012 | OJ L 43, 16.02.2012, p. 5 | 07.03.2012 | 07.03.2022 | 16.02.12 |
| 4 | d | Other zootechnical additives | 4d7 | Ammonium chloride (Holder of the authorisation Latochema Co. Ltd) [Lambs for fattening] | Commission Implementing Regulation (EU) No 832/2012 of 17 September 2012 | OJ L 251, 18.09.2012, p. 27 | 08.10.2012 | 08.10.2022 | 01.10.12 |
| 4 | d | Other zootechnical additives | 4d7 | Ammonium chloride (Holder of the authorisation Latochema Co. Ltd) [Ruminants other than lambs for fattening; Cats; Dogs] | Commission Implementing Regulation (EU) 2016/1007 of 22 June 2016 | OJ L 165, 23.06.2016, p. 10 | 13.07.2016 | 13.07.2026 | 06.07.16 |
| 4 | d | Other zootechnical additives | 4d8 | Ammonium chloride (Holder of the authorisation BASF SE) [Ruminants; Cats and dogs] | Commission Implementing Regulation (EU) No 725/2013 of 26 July 2013 | OJ L 202 27.07.2013, p. 17 | 16.08.2013 | 16.08.2023 | 06.08.13 |
| 4 | d | Other zootechnical additives | 4d10 | Preparation of benzoic acid, thymol, eugenol, piperine (Holder of the authorisation DSM Nutritional Product) [Chickens for fattening; Chickens reared for laying; Minor poultry species for fattening and reared for laying] | Commission Implementing Regulation (EU) 2015/1426 of 25 August 2015 | OJ L 223 26.08.2015, p. 6 | 15.09.2015 | 15.09.2025 | 26.08.15 |
| 4 | d | Other zootechnical additives | 4d11 | Preparation of carvacrol, cinnamaldehyde and capsicum oleoresin (Holder of the authorisation Pancosma France S.A.S.) [Chickens for fattening] | Commission Implementing Regulation (EU) 2015/1490 of 3 September 2015 | OJ L 231 04.09.2015, p. 4 | 24.09.2015 | 24.09.2025 | 04.09.15 |
| 4 | d | Other zootechnical additives | 4d12 | *Bacillus licheniformis* ATCC 53757 and its protease EC 3.4.21.19 (Holder of the authorisation Novus Europe SA/NV) [Chickens for fattening and reared for laying; Minor poultry species for fattening and reared for laying; Ornamental birds] | Commission Implementing Regulation (EU) 2016/898 of 8 June 2016 | OJ L 152 09.06.2016, p. 11 | 29.06.2016 | 29.06.2026 | 09.06.16 |
| 4 | d | Other zootechnical additives | 4d13 | Kidney bean lectins *(Phaseolus vulgaris* lectins*)*, (Holder of the authorisation Biolek Sp. z o.o.) [Suckling piglets] | Commission Implementing Regulation (EU) 2016/1833 of 17 October 2016 | OJ L 280 18.10.2016, p. 1 | 26.11.2016 | 26.11.2026 | 18.10.16 |
| 4 | d | Other zootechnical additives | 4d14 | Preparation of benzoic acid, calcium formate and fumaric acid, (Holder of the authorisation Novus Europe SA/NV) [Chickens for fattening; Chickens reared for laying] | Commission Implementing Regulation (EU) 2018/982 of 11 July 2018 | OJ L 176 12.07.2018, p. 13 | 01.08.2018 | 01.08.2028 | 12.07.18 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | d | Other zootechnical additives | 4d15 | Thyme oil (*Thymus vulgaris* L.), synthetic star anise oil and quillaja bark powder (*Quillaja saponaria*) (Holder of the authorisation Delacon Biotechnik GmbH) [Chickens for fattening; Chickens reared for laying; Minor avian species for fattening and reared for laying] | Commission Implementing Regulation (EU) 2017/420 of 9 March 2017 | OJ L 64 10.03.2017, p. 7 | 30.03.2017 | 30.03.2027 | 10.03.17 |
| 4 | d | other zootechnical additives (improvement of the feed to gain ratio) | 4d16 | Preparation of muramidase (EC 3.2.1.17) (lysozyme) produced by Trichoderma reesei (DSM 32338) | Commission Implementing Regulation (EU) 2019/805 of 17 May 2019 | OJ L 132 20.05.2019, p. 33 | 09.06.2019 | 09.06.2029 | 20.05.19 |
| 4 | d | other zootechnical additives (improvement of of zootechnical performance) | 4d18 | Preparation of Eugenol (Holder of the authorisation Lidervet SL) [Chickens for fattening] | Commission Implementing Regulation (EU) 2019/898 of 29 May 2019 | OJ L 144 03.06.2019, p. 29 | 23.06.2019 | 23.06.2029 | 03.06.19 |
| 4 | d | Other zootechnical additives | 4d161g | Canthaxanthin (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o ) [Breeder hens] | Commission Implementing Regulation (EU) No 684/2014 of 20 June 2014 | OJ L 182 21.06.2014, p. 20 | 10.07.2014 | 10.07.2024 | 23.06.14 |
| 4 | d | Other zootechnical additives | 4d210 | Benzoic acid (VevoVitall) (Holder of the authorisation DSM Nutritional Products Ltd) [Piglets (Weaned)] | Reg. (EC) No 1730/2006 of 23 November 2006 / *Amended by* Commission Implementing Regulation (EU) No 1190/2011 of 18 November 2011 / *Amended by* Commission Implementing Regulation (EU) No 226/2012 of 15 March 2012 / *Amended by* Commission Implementing Regulation (EU) No No 863/2014 of 7 August 2014 | OJ L 325, 24.11.2006, p. 9 / *Amended by* OJ L 302 19.11.2011, p. 28 / *Amended by* OJ L 77 16.03.2012, p. 6 / *Amended by* OJ L 235 08.08.2014, p. 14 | 14.12.2006 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 24.11.06 |
| 4 | d | Other zootechnical additives | 4d210 | Benzoic acid (Holder of the authorisation DSM Nutritional Products Ltd) [Piglets (Weaned)] | Commission Implementing Regulation (EU) 2018/1550 of 16 October 2018 | OJ L 260, 17.10.2018, p. 3 | 05.11.2018 | 05.11.2028 | 17/.10.18 |
| 4 | d | Other zootechnical additives | 4d210 | Benzoic acid (Holder of the authorisation DSM Nutritional Products Ltd) [Sows] | Commission Implementing Regulation (EU) 2016/900 of 8 June 2016 / Corrigendum in OJ L 303 10.11.2016, p. 26 | OJ L 152, 09.06.2016, p. 18 / *Corrigendum in* OJ L 303 10.11.2016, p. 26 | 29.06.2016 | 29.06.2026 | 09.06.16 |
| 4 | d | Other zootechnical additives | 4d210 | Benzoic acid (VevoVitall) (Holder of the authorisation DSM Nutritional Products Ltd) [Pigs for fattening] | Reg. (EC) No 1138/2007 of 1 October 2007 / *Amended by* Commission Implementing Regulation (EU) No 1190/2011 of 18 November 2011 / *Amended by* Commission Implementing Regulation (EU) No No 863/2014 of 7 August 2014 | OJ L 256, 02.10.2007, p. 8 / *Amended by* OJ L 302 19.11.2011, p. 28 / *Amended by* OJ L 235 08.08.2014, p. 14 | 22.10.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 02.10.07 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| 4 | d | Other zootechnical additives | 4d210 | Benzoic acid (Holder of the authorisation DSM Nutritional Products Ltd) [Pigs for fattening] | Commission Implementing Regulation (EU) 2018/1550 of 16 October 2018 | OJ L 260, 17.10.2018, p. 3 | 05.11.2018 | 05.11.2028 | 17/.10.18 |
| 4 | d | Other zootechnical additives | 4d210 | Benzoic acid (VevoVitall) (Holder of the authorisation DSM Nutritional Products Sp. z o. o.) [Minor porcine species for fattening and for reproduction] | Commission Implementing Regulation (EU) 2018/983 of 11 July 2018 | OJ L 176 12.07.2018, p. 17 | 01.08.2018 | 01.08.2028 | 12.07.18 |
| 4 | d | Other zootechnical additives | 4d800 | Potassium diformate (Formi LHS) (Holder of the authorisation ADDCON) [Sows] | Reg (EU) No 104/2010 of 5 February 2010 / *Amended by* Commission Implementing Regulation (EU) 2017/410 of 8 March 2017 | OJ L 35, 06.02.2010, p. 4 / *Amended by* OJ L 63 09.03.2017, p. 98 | 26.02.2010 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 08.02.10 |
| 4 | d | Other zootechnical additives | 4d1703 | *Saccharomyces cerevisiae* CNCM I-1079 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Chickens for fattening; Minor poultry species for fattening] | Commission Implementing Regulation (EU) 2017/1905 of 18 October 2017 | OJ L 269, 19.10.2017, p. 30 | 08.11.2017 | 08.11.2027 | 09.11.17 |
| 4 | d | Other zootechnical additives | 4d1712 | *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Salmonids; Shrimps] | Reg. (EC) No 911/2009 of 29 September 2009 / *Amended by* Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 | OJ L 257, 30.09.2009, p. 10 / *Amended by* OJ L 342, 16.12.2016, p. 14 | 20.10.2009 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 30.09.09 |
| 4 | d | Other zootechnical additives | 4d1712 | *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [All fish other than salmonids] | Commission Implementing Regulation (EU) No 95/2013 of 1 February 2013 / *Amended by* Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 | OJ L 33, 02.02.2013, p. 19 / *Amended by* OJ L 342, 16.12.2016, p. 14 | 22.02.2013 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 04.02.13 |
| 5 | | Coccidiostats and histomonostats | 51701 | Monensin sodium (Coxidin; carrier Perlite, Calcium Carbonate) (Holder of the authorisation Huvepharma NV Belgium) [Chickens reared for laying] | Commission Implementing Regulation (EU) No 140/2012 of 17 February 2012 | OJ L 47, 18.02.2012, p. 18 | 09.03.2012 | 09.03.2022 | 27.02.12 |
| 5 | | Coccidiostats and histomonostats | 5 1 701 | Monensin sodium (Coxidin; carrier Perlite, Wheat bran) (Holder of the authorisation Huvepharma NV Belgium) [Chickens for fattening; Turkeys] | Reg. (EC) No 109/2007 / *Corrigendum* in OJ L 37, 09.02.2007, p. 9 / *Amended by* Reg (EC) No 156/2008 of 21 February 2008 / *Amended by* Reg (EC) No 1095/2008 of 6 November 2008 / *Amended by* Commission Implementing Regulation (EU) No 495/2011 of 20 May 2011 | OJ L 31, 06.02.2007, p. 6 / *Corrigendum* OJ L 37, 09.02.2007, p. 10 / *Amended by* OJ L 48, 22.02.08, p. 14 / *Amended by* OJ L 298, 07.11.08, p. 3 / *Amended by* OJ L 134, 21.05.2011, p. 6 | 06.02.2007 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 09.02.07 |

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|---|---|---|---|---|---|---|---|---|---|
| 5 | | Coccidiostats and other medicinal substances | E 756 | Decoquinate – 60,6 g/kg (Deccox) (Holder of the authorisation Zoetis Belgium SA) [Chickens for fattening] | Reg. (EC) No 1289/2004 / *Corrigendum CS* in OJ L 143, 03.06.2008, p. 55 / *Amended by* Reg. (EC) No 552/2008 of 17 June 2008 / *Corrigendum PL* in OJ L 303, 22.11.2011, p. 49 / *Amended by* Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 / *Amended by* Commission Implementing Regulation (EU) No 1014/2013 of 22 October 2013 / *Amended by* Commission Implementing Regulation (EU) No 291/2014 of 21 March 2014 | OJ L 243, 15.07.2004, p. 15 / *Corrigendum CS* in OJ L 143, 03.06.2008, p. 55 / *Amended by* OJ L 158, 18.06.2008, p. 3 / *Corrigendum PL* in OJ L 303, 22.11.2011, p. 49 / *Amended by* OJ L 38, 11.02.2012, p. 36 / *Amended by* OJ L 281, 23.10.2013, p. 1 / *Amended by* OJ L 87, 22.03.2014, p. 87 | 17.07.2004 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 5 | | Coccidiostats and other medicinal substances | E 757 | Monensin sodium (Elancoban G100 – Elancoban 100 – Elancogran 100 – Elancoban G200 – Elancoban 200) (Holder of the authorisation Elanco GmbH) [Chickens for fattening;Chickens reared for laying; Turkeys] | Reg. (EC) No 1356/2004 / *Amended by* Reg. (EC) No 108/2007 / *Corrigendum* DE in O.J. L84 24.03.2007 / *Amended by* Reg. (EC) No 1096/2008 / *Amended by* Commission Implementing Regulation (EU) 2019/138 | OJ L 251, 27.07.2004, p. 6 / *Amended by* OJ L 31, 06.02.2007, p. 4 / *Corrigendum* DE OJ L 84, 24.03.2007, p. 46 / *Amended by* OJ L 298, 07.11.2008, p. 5 / *Amended by* OJ L 26, 30.01.2019, p. 1 | 30.07.2004 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.02.07 |
| 5 | | Coccidiostats and other medicinal substances | E 758 | Robenidine hydrochloride 66 g/kg (Robenz 66 G) (Holder of the authorisation Zoetis Belgium SA) [Chickens for fattening; Turkeys] | Reg. (EC) No 1800/2004 / *Amended by* Reg. (EC) No 101/2009 of 3 February 2009 / *Amended by* Reg. (EC) No 214/2009 of 18 March 2009 / *Amended by* Commission Implementing Regulation (EU) No 532/2011 of 31 May 2011 / *Amended by* Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 / *Amended by* Commission Implementing Regulation (EU) No 1014/2013 of 22 October 2013 | OJ L 317, 16.10.2004, p. 37 / *Amended by* OJ L 34, 04.02.2009, p. 5 / *Amended by* OJ L 73, 19.03.2009, p. 12 / *Amended by* OJ L 146, 01.06.2011, p. 7 / *Amended by* OJ L 38, 11.02.2012, p. 36 / *Amended by* OJ L 281, 23.10.2013, p. 1 | 29.10.2004 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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|---|---|---|---|---|---|---|---|---|---|
| 5 | | Coccidiostats and histomonostats | 5 1 758 | Robenidine hydrochloride 66 g/kg (Cycostat 66 G) (Holder of the authorisation Zoetis Belgium SA) [Rabbits for breeding; Rabbits for fattening] | Commission Implementing Regulation (EU) No 532/2011 of 31 May 2011 / *Amended by* Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 / *Amended by* Commission Implementing Regulation (EU) No 1014/2013 of 22 October 2013 | OJ L 146, 01.06.2011, p. 7 / *Amended by* OJ L 38, 11.02.2012, p. 36 / *Amended by* OJ L 281, 23.10.2013, p. 1 | 20.06.2011 | 20.06.2021 | 01.06.11 |
| 5 | | Coccidiostats and histomonostats | E 763 | Lasalocid A sodium 15 g/100g (Avatec 15 % cc; Avatec 150 G) (Holder of the authorisation Zoetis Belgium SA) [Chickens for fattening; Chickens reared for laying] | Reg. (EC) No 1455/2004 / *Amended by* Reg. (EC) No 2037/2005 of 14 December 2005 / *Corrigendum* FR in OJ L 335/59 21.12.2005 / *Corrigendum* CS in OJ L 77 24.03.2010 p. 60 / *Amended by* Commission Implementing Regulation (EU) No 1014/2013 of 22 October 2013 | OJ L 269, 17.08.2004, p14 / *Amended by* OJ L 328, 15.12.2005, p. 21 / *Corrigendum* FR OJ L 335, 21.12.2005, p. 59 / *Corrigendum* CS OJ L 77 24.03.2010 p. 60 / (See also http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF) / *Amended by* OJ L 281, 23.10.2013, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 15.12.05 |
| 5 | | Coccidiostats and histomonostats | 5 1 763 | Lasalocid A sodium 15 g/100g (Avatec 150 G) CAS number: 25999-20-6 (Holder of the authorisation Zoetis Belgium SA) [Turkeys] | REG. (EU) No 874/2010 of 5 October 2010 / *Corrigendum* in OJ L 264 of 07.10.2010 p. 19 / *Amended by* Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 / Amended by Commission Implementing Regulation (EU) No 1014/2013 of 22 October 2013 | OJ L 263, 06.10.2010, p. 1 / *Corrigendum* OJ L 264 07.10.2010 p. 19 / *Amended by* OJ L 38, 11.02.2012, p. 36 / (See also http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF) / *Amended by* OJ L 281, 23.10.2013, p. 1 | 26.10.2010 | 26.10.2020 | 06.10.10 |

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|---|---|---|---|---|---|---|---|---|---|
| 5 | | Coccidiostats and histomonostats | 5 1 763 | Lasalocid A sodium 15 g/100g (Avatec 150 G) CAS number: 25999-20-6 (Holder of the authorisation Zoetis Belgium SA) [Pheasants; guinea fowl; quails and partridges except laying birds thereof.] | Commission Implementing Regulation (EU) No 900/2011 of 7 September 2011 / *Amended by* Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 / *Amended by* Commission Implementing Regulation (EU) No 1014/2013 of 22 October 2013 | OJ L 231, 08.09.2011, p. 15 / *Amended by* OJ L 38, 11.02 des.2012, p. 36 / (See also http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF) / *Amended by* OJ L 281, 23.10.2013, p. 1 | 28.09.2011 | 28.09.2021 | 12.10.10 |
| 5 | | Coccidiostats and other medicinal substances | E 764 | Halofuginone Hydrobromide (Holder of the authorisation Huvepharma NV) [Chickens for fattening; turkeys] | Commission Directive of 12 April 1991 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) | OJ L 124, 18.05.1991, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 21.04.06 |
| 5 | | Coccidiostats and other medicinal substances | E 765 | Narasin 100 g/kg (Monteban – Monteban G 100) (Holder of the authorisation Elanco GmbH) [Chickens for fattening] | Reg. (EC) No 1464/2004 / *Amended by* Reg. (EC) No 545/2006 / *Amended by* Reg. (EU) No 884/2010 / *Amended by* Commission Implementing Regulation (EU) 2019/138 | OJ L 270, 18.08.2004, p. 8 / *Amended by* OJ L 94, 1.04.2006, p. 26 / *Amended by* OJ L 265, 08.10.2010, p. 4 / *Amended by* OJ L 26, 30.01.2019, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 24.04.06 |
| 5 | | Coccidiostats and other medicinal substances | 51766 | Salinomycin sodium 120 g/kg (Sacox 120 microGranulate) (Holder of the authorisation Huvepharma NV) [Chickens for fattening; Chickens reared for laying] | Commission Implementing Regulation (EU) 2017/1914 of 19 October 2017 | OJ L 271, 20.10.2017, p. 1 | 09.11.2017 | 09.11.2027 | 10.11.17 |
| 5 | | Coccidiostats and other medicinal substances | E 766 | Salinomycin sodium 120 g/kg (Sacox 120 microGranulate) (Holder of the authorisation Huvepharma NV) [Chickens for fattening] | Reg. (EC) No 1463/2004 / *Amended by* Reg. (EC) No 249/2006 / *Amended by* Reg. (EC) No 500/2007 / *Repealed by* Commission Implementing Regulation (EU) 2017/1914 of 19 October 2017 | OJ L 270, 18.08.2004, p. 5 / *Amended by* OJ L 42, 14.02.2006, p. 22 / *Amended by* OJ L 118, 08.05.2007, p. 3 / Consolidated : 1463/2004 / Repealed : OJ L 271, 20.10.2017, p. 1 | 21.08.2004 | Transitional measures in article 4 of Commission Implementing Regulation (EU) 2017/1914 of 19 October 2017 | 08.05.07 |

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|---|---|---|---|---|---|---|---|---|---|
| 5 | | Coccidiostats and other medicinal substances | E 770 | Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) (Holder of the authorisation Zoetis Belgium SA) [Turkeys] | Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Reg. (EC) No 2380/2001 of 5 December 2001 / *Amended by* Reg. (EC) No 552/2008 of 17 June 2008 / *Amended by* Commission Implementing Regulation (EU) No 406/2011 of 27 April 2011 / *Amended by* Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 / Amended by Commission Implementing Regulation (EU) No 1014/2013 of 22 October 2013 | OJ C 50, 25.02.2004, p. 1 / OJ L 321, 06.12.2001, p. 18 / *Amended by* OJ L 158, 18.06.2008, p. 3 / *Amended by* OJ L 108, 28.04.2011, p. 11 / *Amended by* OJ L 38, 11.02.2012, p. 36 / *Amended by* OJ L 281, 23.10.2013, p. 1 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| 5 | | Coccidiostats and histomonostats | 5 1 770 | Maduramicin ammonium alpha 10 g/kg (Cygro 10 G) (Holder of the authorisation Zoetis Belgium SA) [Chicken for fattening] | Commission Implementing Regulation (EU) No 388/2011 of 19 April 2011 / *Amended by* Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 | OJ L 104, 20.04.2011, p. 3 / *Amended by* OJ L 38, 11.02.2012, p. 36 | 10.05.2011 | 10.05.2021 | 11.05.11 |
| 5 | | Coccidiostats and histomonostats | 5 1 771 | Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (Holder of the authorisation Elanco GmbH) [Chickens for fattening] | Reg. (EU) No 1118/2010 of 2 December 2010 / *Amended by* Commission Implementing Regulation (EU) No 160/2013 of 21 February 2013 / *Amended by* Commission Implementing Regulation (EU) 2019/138 | OJ L 317, 03.12.2010, p. 5 / *Amended by* OJ L 49, 22.02.2013, p. 50 / (See also http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF) / *Amended by* OJ L 26, 30.01.2019, p. 1 | 23.12.2010 | 23.12.2020 | 03.12.10 |
| 5 | | Coccidiostats and histomonostats | 5 1 771 | Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (Holder of the authorisation Elanco GmbH) [Guinea fowls] | Reg. (EU) No 169/2011 of 23 February 2011 / *Amended by* Commission Implementing Regulation (EU) No 160/2013 of 21 February 2013 / *Amended by* Commission Implementing Regulation (EU) 2019/138 | OJ L 49, 24.02.2011, p. 6 / *Amended by* OJ L 49, 22.02.2013, p. 50 / (See also http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF) / *Amended by* OJ L 26, 30.01.2019, p. 1 | 16.03.2011 | 16.03.2021 | 24.02.11 |

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|---|---|---|---|---|---|---|---|---|---|
| 5 | | Coccidiostats and histomonostats | 5 1 771 | Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (Holder of the authorisation Elanco GmbH) [Turkeys for fattening] | Commission Implementing Regulation (EU) No 888/2011 of 5 September 2011 / *Amended by* Commission Implementing Regulation (EU) No 160/2013 of 21 February 2013 / *Amended by* Commission Implementing Regulation (EU) 2019/138 | OJ L 229, 06.09.2011, p. 9 / *Amended by* OJ L 49, 22.02.2013, p. 50 / (See also http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF) / *Amended by* OJ L 26, 30.01.2019, p. 1 | 26.09.2011 | 26.09.2021 | 06.09.11 |
| 5 | | Coccidiostats and histomonostats | 51771 | Diclazuril 0,5 g/100 g (Clinacox 0,5 %) (Holder of the authorisation Elanco GmbH) [Chickens reared for laying] | Commission Implementing Regulation (EU) No 667/2013 of 12 July 2013 / *Amended by* Commission Implementing Regulation (EU) 2019/138 | OJ L 192, 13.07.2003, p. 35 / *Amended by* OJ L 26, 30.01.2019, p. 1 | 02.08.2013 | 02.08.2023 | 17.07.13 |
| 5 | | Coccidiostats and histomonostats | 5 1 772 | Narasin 80 g/kg – Nicarbazin 80 g/kg (Maxiban G160) (Holder of the authorisation Elanco GmbH) [Chickens for fattening] | REG. (EU) No 885/2010 of 7 October 2010 / *amended by* Commission Implementing Regulation (EU) 2018/1957 of 11 December 2018 | OJ L 265, 08.10.2010, p. 5 / *amended by* OJ L315, 12/12/2018, p. 23 | 28.10.2010 | 28.10.2020 / Transitional measures in article 2 of Commission Implementing Regulation (EU) 2018/1957 of 11 December 2018 | 08.10.10 |
| 5 | | Coccidiostats and other medicinal substances | E 773 | Semduramicin sodium (Aviax 5 %) (Holder of the authorisation Phibro Animal Health, s.a.) [Chickens for fattening] | Reg. (EC) No 1443/2006 of 29 September 2006 | OJ L 271, 30.09.2006, p. 12 | 19.10.2006 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 02.10.06 |
| 5 | | Coccidiostats and histomonostats | 5 1 774 | Nicarbazin 250 g/kg CAS number: 330-95-0 (Holder of the authorisation Phibro Animal Health SA Belgium) [Chickens for fattening] | Reg. (EU) No 875/2010 of 5 October 2010 | OJ L 263, 06.10.2010, p. 4 | 26.10.2010 | 26.10.2020 | 06.10.10 |
| 5 | | Coccidiostats and histomonostats | 51775 | Diclazuril 0,5 g/100 g (Coxiril) (Holder of the authorisation Huvepharma NV.) [Chickens for fattening; Turkeys for fattening; Guinea fowl for fattening and for breeding] | Commission Implementing Regulation (EU) 2015/46 of 14 January 2015 | OJ L 9, 15.01.2015, p. 5 | 04.02.2014 | 04.02.2024 | 16.01.15 |
| 5 | | Coccidiostats and histomonostats | 51775 | Diclazuril 0,5 g/100 g (Coxiril) (Holder of the authorisation Huvepharma NV.) [Rabbits] | Commission Implementing Regulation (EU) 2015/1417 of 20 August 2015 | OJ L 220, 21.08.2015, p. 15 | 10.09.2015 | 10.09.2025 | 21.08.15 |
| | | Enzymes | 11 | Preparation of endo-1,4-betaglucanase / EC 3.2.1.4, endo-1,3(4)-betaglucanase / EC 3.2.1.6 and endo-1,4-betaxylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 74 252) [Ducks] | Reg. (EC) No 1811/2005 / *Amended by* article 3 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014 | OJ L 291, 05.11.2005, p. 12 / *Amended by* OJ L 301, 21.10.2014, p. 19 | 25.11.2005 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| | | Enzymes | 28 | 3-Phytase / EC 3.1.3.8 produced by *Trichoderma reesei* (CBS 528.94) [Turkeys for fattening; Sows] | Reg. (EC) No 358/2005 | OJ L 57, 03.03.2005, p. 3 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Enzymes | E 1601 | Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Aspergillus niger* (NRRL 25541) [Laying hens] | Reg. (EC) No 255/2005 / *Amended by* Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017 | OJ L 45, 16.02.2005, p. 3/ *Amended by* OJ L 267, 18.10.2017, p. 1 | - | Transitional measures in article 4 of Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017 | 07.11.05 |
| | | Enzymes | E 1601 | Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Aspergillus niger* (NRRL 25541) [Chickens for fattening] | Commission Regulation (EC) No 668/2003 of 11 April 2003 / *Repealed by* Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017 | OJ L 96, 12.04.2003, p. 14 / *Repealed by* OJ L 267, 18.10.2017, p. 1 | - | Transitional measures in article 4 of Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017 | 07.11.05 |
| | | Enzymes | E 1603 | Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94) [Piglets (Weaned)] | Reg. (EC) No 1811/2005 / *Amended by* article 3 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014 | OJ L 291, 05.11.2005, p. 12 / *Amended by* OJ L 301, 21.10.2014, p. 19 | 25.11.2005 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Enzymes | E 1603 | Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94) [Chickens for fattening] | Reg. (EC) No 1259/2004 | OJ L 239, 09.07.2004, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Enzymes | E 1607 | Preparation of endo-1,4-beta-xylanase produced by *Aspergillus oryzae* (DSM 10287) [Chickens for fattening; Turkeys for fattening; Piglets] | Reg. (EC) No 1332/2004 | OJ L 247, 21.07.2004, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Enzymes | E 1612 | Preparation of endo-1,3(4)-beta-glucanase / EC 3.2.1.6 and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Aspergillus niger (phoenicis)* (NRRL 25541) and of alpha-amylase / EC 3.2.1.1 produced by *Aspergillus oryzae* (ATCC 66222) [Piglets (Weaned)] | Reg. (EC) No 1453/2004 | OJ L 269, 17.08.2004, p. 3 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Enzymes | E 1613 | Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (CNCM MA 6-10 W) [Laying hens] | Reg. (EC) No 1810/2005 | OJ L 291, 05.11.2005, p. 5 | 25.11.2005 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 16.12.05 |
| | | Enzymes | E 1613 | Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (CNCM MA 6-10 W) [Turkeys for fattening] | Reg. (EC) No 943/2005 | OJ L 159, 22.06.2005, p. 6 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

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| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| | | Enzymes | E 1613 | Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (CNCM MA 6-10 W) [Chickens for fattening] | Reg. (EC) No 1453/2004 | OJ L 269, 17.08.2004, p. 3 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Micro-organisms | 12 | *Lactobacillus farciminis* CNCM MA 67/4R [Chickens for fattening; Turkeys for fattening; Laying hens] | Reg. (EC) 1876/2006 / *Corrigendum* / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 360, 19.12.2006, p. 126 / *Corrigendum* OJ L 43, 15.02.2007, p. 42 / *Amended by* OJ L 307, 07.11.2012, p. 56 | 08.01.2007 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 20.12.06 |
| | | Micro-organisms | 22 | *Enterococcus faecium* (DSM 7134)[Chickens for fattening] | Reg. (EC) No 521/2005 / *Amended by* Reg. (EC) No 221/2011 of 4 march 2011 | OJ L 84, 02.04.2005, p. 3 / *Amended by* OJ L 60, 05.03.2011, p. 3 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Micro-organisms | E 1702 | *Saccharomyces cerevisiae* NCYC Sc 47 [Cattle for fattening] | Reg. (EC) No 316/2003 of 19 February 2003 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 46, 20.02.2003, p. 15 / *Amended by* OJ L 307, 07.11.2012, p. 56 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Micro-organisms | E 1702 | *Saccharomyces cerevisiae* NCYC Sc 47 [Dairy cows] | Reg. (EC) No 1811/2005 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 / *Amended by* article 3 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014 | OJ L 291, 05.11.2005, p. 12 / *Amended by* OJ L 307, 07.11.2012, p. 56 / *Amended by* OJ L 301, 21.10.2014, p. 19 | 25.11.2005 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Micro-organisms | E 1702 | *Saccharomyces cerevisiae* NCYC Sc 47 [Lambs for fattening] | Reg. (EC) No 1447/2006 of 29 September 2006 / *Amended by* Reg (EC) No 897/2009 of 25 September 2009 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 271, 30.09.2006, p. 28 / *Amended by* OJ L 256, 29.09.2009, p. 8 / *Amended by* OJ L 307, 07.11.2012, p. 56 | 20.10.2006 | Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 02.10.06 |
| | | Micro-organisms | E 1702 | *Saccharomyces cerevisiae* NCYC Sc 47 [Piglets (Weaned)] | Reg. (EC) No 2148/2004 of 16 December 2004 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 370, 17.12.2004, p. 24 / *Amended by* OJ L 307, 07.11.2012, p. 56 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

| Category | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| (*Annex I of Reg. 1831/03*) | | | | | | | | | |
| | | Micro-organisms | E 1702 | *Saccharomyces cerevisiae* NCYC Sc 47 [Sows] | Reg. (EC) No 1288/2004 / *Corrigendum CS* in OJ L 143 of 3 June 2008 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 / *Amended by* article 2 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014 | OJ L 243, 15.07.2004, p. 10 / *Corrigendum CS* in OJ L 143, 03.06.2008, p. 55 / *Amended by* OJ L 307, 07.11.2012, p. 56 / *Amended by* OJ L 301, 21.10.2014, p. 19 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Micro-organisms | E 1705 | *Enterococcus faecium* NCIMB 10415 [Piglets] | Reg. (EC) No 252/2006 / *Amended by* Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 | OJ L 44, 15.02.2006, p. 3 / *Amended by* OJ L 2, 04.01.2019, p. 17 | - | Transitional measures in article 5 of Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 in OJ L 2, 04.01.2019, p. 17 | 15.02.06 |
| | | Micro-organisms | E 1705 | *Enterococcus faecium* NCIMB 10415 [Pigs for fattening] | Reg. (EC) No 943/2005 / *Amended by* Commission Implementing Regulation (EU) No 361/2011 of 13 April 2011 / *Amended by* Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 | OJ L 159, 22.06.2005, p. 6 / *Amended by* OJ L 100, 14/04/2011, p. 22 / *Amended by* OJ L 2, 04.01.2019, p. 17 | - | Transitional measures in article 5 of Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 in OJ L 2, 04.01.2019, p. 17 | 07.11.05 |
| | | Micro-organisms | E 1705 | *Enterococcus faecium* NCIMB 10415 [Sows] | Reg. (EC) No 1200/2005 / *Amended by* Reg. (EU) No 104/2010 / Amended by Reg. (EU) No 170/2011 / *Amended by* Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 | OJ L 195, 27.07.2005, p. 6 / *Amended by* OJ L 35, 06.02.2010, p. 4 / *Amended by* OJ L 49, 24.02.2011, p. 8 / *Amended by* OJ L 2, 04.01.2019, p. 17 | - | Transitional measures in article 5 of Commission Implementing Regulation (EU) No 2019/11 of 3 January 2019 in OJ L 2, 04.01.2019, p. 17 | 07.11.05 |
| | | Micro-organisms | E 1707 | *Enterococcus faecium* DSM 10663/NCIMB 10415 [Piglets] | Reg. (EC) No 1200/2005 / *Amended by* Reg. (EU) No 104/2010 / Amended by Reg. (EU) No 170/2011 | OJ L 195, 27.07.2005, p. 6 / *Amended by* OJ L 35, 06.02.2010, p. 4 / *Amended by* OJ L 49, 24.02.2011, p. 8 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |
| | | Micro-organisms | E 1707 | *Enterococcus faecium* DSM 10663/NCIMB 10415 [Turkeys for fattening] | Reg. (EC) No 1520/2007 of 19 December 2007 / *Amended by* Commission Implementing Regulation (EU) 2015/38 of 13 January 2015 | OJ L 335, 20.12.2007, p. 15 / *Amended by* OJ L 8, 14.01.2015, p. 4 | 08.01.2008 | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 20.12.07 |

| Category (*Annex I of Reg. 1831/03*) | Functional Group | Subclassification | Code | Additive | Reference(s) of Community legal act | Reference in OJ | Date of authorisation | Expiry date of authorisation(s) | Date of first entry in the Register |
|---|---|---|---|---|---|---|---|---|---|
| | | Micro-organisms | E 1711 | *Saccharomyces cerevisiae* CNCM I-1077 [Dairy cows; Cattle for fattening] | Reg. (EC) No 1200/2005 / *Amended by* Reg. (EU) No 104/2010 / Amended by Reg. (EU) No 170/2011 / *Amended by* Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 | OJ L 195, 27.07.2005, p. 6 / *Amended by* OJ L 35, 06.02.2010, p. 4 / *Amended by* OJ L 49, 24.02.2011, p. 8 / *Amended by* OJ L 307, 07.11.2012, p. 56 | - | Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted | 07.11.05 |

# Annex II

## Additives Subject to the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003 for which no application for reevaluation was submitted before the deadline of 8 November 2010.

The additives listed below are additives considered as existing products within the meaning of Article 10(1) of Regulation (EC) No 1831/2003 and for which no application for re-evaluation was submitted by 8 November 2010.
In accordance with Article 10(2) of Regulation (EC) No 1831/2003, the deadline of 8 November 2010 for submitting an application for re-evaluation applied to the following existing products:

- Products which were authorised pursuant to Directive 70/524/EEC without a time limit;
- Products which were authorised pursuant to Directive 82/471/EEC.

In accordance with Article 10(7) of the same Regulation, the deadline of 8 November also applied to products used as silage additives.

**Due to the increasing number of pages, the Annex II is now in a separate file on page :**
http://ec.europa.eu/food/sites/food/files/safety/docs/animal-feed-eu-reg-comm_register_feed_additives_1831-03_annex2.pdf

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