European Union

Register of Feed Additives

pursuant to Regulation (EC) No 1831/2003

Annex I: List of additives
European Union Register of Feed Additives
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Annex I: List of additives

(Released date 31.10.2019)

Edition 11/2019 (277)

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


Application(s) under article 10 received

- 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. 42
  Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.

Application(s) under article 14 received

- 4; b; Gut flora stabilisers; 4b1702; Saccharomyces cerevisiaeNCYC 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
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.

- 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 in OJ L 263, 06.10.2010, p. 1 (See also http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF)
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.

Correction(s) in annex I

**Edition 10/2019 (276)**: published on 22 October 2019

Application(s) under article 14 received

- 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 in OJ L 290, 06.11.2010, p. 22
  
  Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

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

Deletion(s)

  
  Moved to Annex II

- 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 in OJ L 256, 29.09.2009, p. 26
  
  Authorisation expired

**Edition 9/2019 (275)**: published on 3 October 2019

Deletion(s)

- 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 in OJ L 120, 15.05.2009, p. 3
  
  Authorisation expired

Correction(s)

- 2; b; 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 L2, 04.01.2019, p. 21

**Edition 8/2019 (274)**: published on 5 September 2019

Applications under article 14 received

- 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 in OJ L 317, 03.12.2010, p. 3
  
  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 in OJ L 253, 20.09.2012, p. 8
Deletions

  Moved to annex II

  Moved to annex II


Additions

- 3; b; Compounds of trace elements; 3b614; Zinc chelate of methionine sulfate [All species]; Commission Implementing Regulation (EU) 2019/1125 of 5 June 2019 in OJ L177, 02.07.2019, p. 77

- 3; c; Amino acids, their salts and analogues; 3c371; L-valine produced by Corynebacterium glutamicum KCCM 11201P; Commission Implementing Regulation (EU) 2019/1289 of 31 July 2019 in OJ L203, 01.08.2019, p. 2

- 4; a; Digestibility enhancers; 4a30; Preparation of endo-1,4-beta-xylanase produced by Bacillus subtilis LMG S-27588 (Holder of the authorisation Puratos) [Chickens for fattening or reared for laying; Turkeys for fattening or reared for breeding; Minor poultry species for fattening or reared for laying or breeding; Weaned piglets; Pigs for fattening; Minor porcine species for fattening]; Commission Implementing Regulation (EU) 2019/1324 of 5 August 2019 in OJ L 206, 06.08.2019, p. 18

- 4; b; Gut flora stabilisers; 4b1841; Enterococcus faecium (DSM 7134) (Bonvital) (use in water for drinking) (Holder of the authorisation Lactoan Starterkulturen GmbH & Co KG) [Sows]; Commission Implementing Regulation (EU) No 2019/1315 of 2 August 2019 in OJ L 205, 05.08.2019 p. 7

- 4; b; Gut flora stabilisers; 4b1892; Bacillus amyloliquefaciens NRRL B-50508, Bacillus amyloliquefaciens NRRL B-50509 and Bacillus subtilis NRRL B-50510 (Cargill Incorporated, represented by Provimi Holding BV) [Pigs for fattening; Minor porcine species for fattening]; Commission Implementing Regulation (EU) No 2019/1313 of 2 August 2019 in OJ L 205, 05.08.2019, p. 1

Amendment

- 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 is Amended by Commission Implementing Regulation (EU) 2019/1290 of 31 July 2019 in OJ L203, 01.08.2019, p. 6

Deletion

- 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;
Corrections

- 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) (Holder of authorisation DSM Nutritional Products Ltd, represented in EU by DSM Nutritional Products Sp. Z o.o); Commission Implementing Regulation (EU) 2019/805 of 17 May 2019 in OJ L132 20.05.2019, p. 33

Corrigendum CS

- 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; Corrigendum CS in OJ L 179, 03.07.2019, p. 27


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, provitamins and chemically well-defined substances having a similar effect; 3a825i; ‘Riboflavin’ or ‘Vitamin B2: 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, provitamins and chemically well-defined substances having a similar effect; 3a825ii; ‘Riboflavin’ or ‘Vitamin B2: 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, provitamins and chemically well-defined substances having a similar effect; 3a826; ‘Riboflavin 5′- phosphate monosodium salt’ or ‘Vitamin B2’ 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 Lesaffrè) [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 Lesaffré) [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 stabilisers; 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

  Repealed by Commission Implementing Regulation (EU) 2019/900 of 29 May 2019
  Replaced by 2b12038

• 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
  Replaced by 2b12085

  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 Fermant AG represented by Lallemand SAS) [Dairy goats, dairy sheep]; Reg. (EC) No 226/2007 in OJ L 64, 02.03.2007, p. 26

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 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 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 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


• 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 B2: 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


Additions

• 1; k; Silage additives; lk20757; *Lactobacillus hilgardii* CNCM I-4785 and *Lactobacillus buchneri* CNCM I-4323/NCIMB 40788; Commission Implementing Regulation (EU) 2019/764 of 14 May 2019 in OJ L126, 15.05.2019, p. 1

• 3; b; Compounds of trace elements; 3b810; Selenised yeast *Saccharomyces cerevisiae* CNCM I-3060, inactivated [All species]; Commission Implementing Regulation (EU) 2019/804 of 17 May 2019 in OJ L132, 20.05.2019 p. 28

• 3; b; Compounds of trace elements; 3b811; Selenised yeast *Saccharomyces cerevisiae* NCYC R397, inactivated [All species]; Commission Implementing Regulation (EU) 2019/804 of 17 May 2019 in OJ L132, 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;

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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, provitamins and chemically well-defined substances having similar effect (OJ L 237, 20.9.2018, p. 5).

- 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 in OJ L132 20.05.2019, p. 33

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; Compounds 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; Compounds 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; Compounds 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; Compounds 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; Compounds 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 in OJ L79, 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 in OJ L79, 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 in OJ L79, 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 in OJ L79, 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 in OJ L86, 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 in OJ L266, 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 in OJ L229, 06.09.2011, p. 5
Corrections


Deletions

- 1; k; 1 – Enzymes; Alpha-amylase EC 3.2.1.1 from Bacillus amyloliquefaciens DSM 9553; Reg. (EC) 1831/2003 in OJ L268, 18.10.2003, p. 29
  Replaced by 1k101

Deletions in annex II


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 B₁₂ / Cyanocobalamin with the exception of vitamin B₁₂ 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

² Water based
³ Solvent based
• 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

• 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 scrofa* (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) [Turkeys for fattening and turkeys reared for breeding]; Commission Implementing Regulation (EU) No 787/2013 of 16 August 2013 in OJ L220, 17.08.2013, p. 15

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) [Laying hens; Minor poultry species for laying]; Commission Implementing Regulation (EU) 2015/1020 of 29 June 2015 in OJ L163, 30.06.2015, p. 22

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
authorization Kemin Europa NV) [Sows]; Commission Implementing Regulation (EU)
2017/2276 of 8 December 2017 in OJ L326, 09.12.2015, p. 50
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
authorization Kemin Europa NV) [Chickens for fattening]; Reg. (EU) No 107/2010 of 8
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
authorization Kemin Europa NV) [(Weaned) piglets and (weaned) Suidae other than Sus
scrofa domesticus]; Commission Implementing Regulation (EU) No 306/2013 of 2 April 2013
in OJ L91, 03.04.2013, p. 5
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
authorization Kemin Europa NV) [(Chickens reared for laying; ducks for fattening; quails;
peacocks; partridges; guinea fowl; geese for fattening; Ostriches]; Commission
Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance
with Article 7, has been submitted

**Edition 2019 (268):** published on 19 February 2019

Applications under article 14 received

• 3; a; Vitamins, provitamins and chemically well-defined substances having a 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
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
authorization 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
authorization 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**

(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
authorization 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 farcininis* (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


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 in OJ L220, 21.08.2015, p.11
- 3; a; Vitamins, provitamins and chemically well-defined substances having a similar effect; 3a370; Taurine [Canidae, Felidae, Mustelidae and carnivorous fish]; Commission Implementing Regulation (EU) 2015/722 of 5 May 2015 in OJ L115, 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


Transitional measures in article 2 of Commission Implementing Regulation (EU) 2019/49 of 4 January 2019


• Micro-organisms; E 1705; Enterococcus faecium NCIMB 10415 [Sows]; Reg. (EC) No 1200/2005 / Amended by OJ L 2, 04.01.2019, p. 17


Amendments


Applications under article 14 received

- **3; b;** Compounds 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 in OJ L297, 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

  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, 07.01.2010
  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 (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-beta-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 in OJ L333, 15.12.2017, p. 17

• 1; c; Emulsifiers; 1c322iii; Lecithins de-oiled [All species]; Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 in OJ L333, 15.12.2017, p. 17

• 1; k; 2 – Microorganisms; Enterococcus faecium CNCM I-3236 / ATCC 19434; Reg. (EC) 1831/2003 in OJ L268, 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 a 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 in OJ L174, 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- amylosase 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 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 in OJ L261, 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


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 in OJ L254, 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 in OJ L256, 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


  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 in OJ L268, 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 carvi* 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 tea tree 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 2839 CoE 283 EINECS 290-061-1 Moved to Annex II

• 2; b; Natural products – botanically defined; *Opopanax chironium* (L.) Koch, *Commiphora erythrea* Engler: Opopanax oil CAS 8021-36-1 CoE 313 EINECS 232-558-8 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; *Pentaclethra macroloba* DC.: Quassia seed extract CAS 8016-74-9 CoE 320
Moved to Annex II

2; b; Natural products – botanically defined; *Pterocarpus santalinus* L.: Santalum oil CAS 8016-73-8 CoE 320
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: Quillaja 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 9000-05-9 FEMA 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 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 in OJ L256, 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; Compounds of trace elements; 3b401; Copper(II) diacetate monohydrate; Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 in OJ L186, 24.07.2018, p. 3

• 3; b; Compounds of trace elements; 3b402; Copper(II) carbonate dihydroxy monohydrate; Commission Implementing Regulation (EU) No 2018/1039 of 23 July 2018 in OJ L186, 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 Kaeoler 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 in OJ L195, 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 in OJ L194, 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 in OJ L194, 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 in OJ L194, 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 in OJ L176 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 in OJ L176 12.07.2018, p. 17

Deletions

Transitional measures in article 9 of 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

Transitional measures in article 9 of 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

Transitional measures in article 9 of 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


Transitional measures in article 9 of 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


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) [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 in OJ L33, 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 in OJ L317, 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 in OJ L329, 13.12.2017, p. 33


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 in OJ L252, 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 in OJ L57, 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 in OJ L57, 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 in OJ L67, 09.03.2018, p. 21
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

Edition 2/2018 (261) : published on 13 March 2018

Additions

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

- 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 in OJ L 53, 23.02.2018, p. 9
• 2; b; Flavouring compounds; 2b09781; Methyl N-methylantranilate / 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 in OJ L 53, 23.02.2018, p. 9

• 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 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 14

• 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 in OJ L 53, 23.02.2018, p. 27


• 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 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 27

• 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 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 36

• 2; b; Flavouring compounds; 2b09563; Hex-(cis)-enyl isobutyrate / CAS No. 41519-23-7 / Flavis No. 09.563; Commission Implementing Regulation (EU) 2018/242 of 15 February 2018 in OJ L 53, 23.02.2018, p. 36

• 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 in 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 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 69

• 2; b; Flavouring compounds; 2b07100; 2,6,6-Trimethylcyclohex-2-en-1,4-dione / CAS No. 1125-21-9 / Flavis No. 07.100; Commission Implementing Regulation (EU) 2018/243 of 15 February 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 69

• 2; b; Flavouring compounds; 2b09829; 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 in OJ L 53, 23.02.2018, p. 81

• 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 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 87

• 2; b; Flavouring compounds; 2b07094; 3-Methyl-2(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 in 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 in OJ L53, 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 87

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

• 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 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 109

• 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 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 120

• 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 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 134

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 in 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 2018 in 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 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 166

• 2; b; Flavouring compounds; 2b13050; Difurfuryl sulfide / CAS No. 57500-00-2 / Flavis No. 13.050; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 166

• 2; b; Natural or corresponding synthetic chemically defined flavourings; 2b13064; Methyl furfuryl disulfide / CAS No. 57500-00-2 / Flavis No. 13.064; Commission Implementing Regulation (EU) 2018/250 of 15 February 2018 in 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 2018 in 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 2018 in OJ L 53, 23.02.2018, p. 166

• 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 Hувеpharma NV) [Carp]; Commission Implementing Regulation (EU) 2018/327 of 5 March 2018 in OJ L 63, 08.03.2018, 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 5 March 2018 in OJ L 65, 08.03.2018, p. 10

• 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


• 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; 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)


• 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; 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];
• 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 Indigotin [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];

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

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 disulphide / 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) 2018/249 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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 feedstuffs – List of authorised additives in feedstuffs (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 feedstuffs – List of authorised additives in feedstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
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• 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 feedstuffs – List of authorised additives in feedstuffs (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 feedstuffs – List of authorised additives in feedstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
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• 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 feedstuffs – List of authorised additives in feedstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
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• 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 feedstuffs – List of authorised additives in feedstuffs (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 feedstuffs – List of authorised additives in feedstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
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• 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
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• 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
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• 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
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50/01); OJ C 50, 25.02.2004, p. 1
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2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 15707-24-1
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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
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50, 25.02.2004, p. 1
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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
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2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 15679-12-6
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50, 25.02.2004, p. 1
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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
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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
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50/01); OJ C 50, 25.02.2004, p. 1
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- 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. 13651-11-1 / 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

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- 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 122-48-5 / Vanillic acid / 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-Methylpropan-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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 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
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• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 33467-73-1 / Hex-3(cis)-ethyl 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
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   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

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

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 by 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 by 2b04043

  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

Replaced by 4d1703

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
Additions

- 1; c; Emulsifiers; 1c322i; Lecithins liquid [All species]; Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 in OJ L333, 15.12.2017, p. 17
- 1; c; Emulsifiers; 1c322ii; Hydrolysed lecithins [All species]; Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 in OJ L333, 15.12.2017, p. 17
- 1; c; Emulsifiers; 1c322iii; Lecithins de-oiled [All species]; Commission Implementing Regulation (EU) 2017/2325 of 14 December 2017 in OJ L333, 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; 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 in OJ L22, 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 in OJ L22, 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 in OJ L3319, 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 in OJ L331, 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 in OJ L329, 13.12.2017, p. 33

DENIAL of authorisation


  Article 3 "The authorisation for ferric oxide is denied and the substance shall no longer be used as nutritional feed additive"


Deletions


• 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
  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
  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
  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)

• 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
  Change of authorisation holder
Corrigendum


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

  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

2017


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 in OJ L297, 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 in OJ L297, 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 in OJ L297, 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 in OJ L297, 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 in OJ L297, 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 in OJ L297, 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 in OJ L297, 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 in OJ L297, 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 in OJ L297, 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 in OJ L297, 18.11.1999, p. 8

• 1; Binders, anti-caking agents and coagulants; E 569; Perlite; Commission Regulation (EC) No 2439/1999 of 17 November 1999 in OJ L297, 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 L297, 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
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 18 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

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 124 Ponceau 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); Colourants, 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)];

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 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-pentyleyclopent-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

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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; Compounds 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; Compounds 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; Compounds of trace elements; 3b503; Manganese sulphate monohydrate; Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017 in OJ L 216, 22.08.2017, p.1

• 3; b; Compounds 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; Compounds 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; Compounds 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; Compounds 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 a 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

  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

Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017
Replaced by 3b504

Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017
Replaced by 3b501

Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017
Replaced by 3b502

Transitional measures in article 3 of Commission Implementing Regulation (EU) 2017/1490 of 21 August 2017
Replaced by 3b503

Transitional 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), bacillolysins / 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; Compounds 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) [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


Corrigendum.

- 1; b; E 324; Ethoxyquin [All species or categories of animals except dogs]; AUTHORITY 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]; AUTHORITY 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.

  
  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; Fumonisins 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 aculeatus* (formerly classified as *Aspergillus aculeatum*) (CBS 589.94), endo-1,4-beta-glucanase produced by *Trichoderma reesei* (formerly classified as *Trichoderma longibrachiatum*) (CBS 592.94), alpha-amylose 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; b; Compounds of trace elements; 3b8.11; (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-amyrase / EC 3.2.1.1 produced by Bacillus amyloliquefaciens (DSM 9553), bacilolysin / 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 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

• 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-amyrase / EC 3.2.1.1 produced by Bacillus amyloliquefaciens (DSM 9553), bacilolysin / 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

  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
  Transitional 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

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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 aculeatus* (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] ; Commission Implementing Regulation (EU) 2017/447 of 14 March 2017 in OJ L 69, 15.03.2017, p. 18

• 4; b; Gut flora stabilisers; 4b1827; Preparation of Bacillus amyloliquefaciens (PTA-6507), Bacillus amyloliquifaciens (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-amy lase / EC 3.2.1.1 produced by Bacillus amyloliquifaciens (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


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-amy lase / EC 3.2.1.1 produced by Bacillus amyloliquifaciens (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. (EU) No 516/2010 of 15 June 2010 in OJ L 150, 16.06.2010, p. 46


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-amy lase / EC 3.2.1.1 produced by Bacillus amyloliquifaciens (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


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]
  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]
  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 BASE 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 BASE 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]
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

- 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

- 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, Manganese 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]

250th 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 isovalerate; 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; Glycerol 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-butryllactate; 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) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
• 2; b; Flavouring compounds; 2b03001; 1,8-Cineole; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
• 2; b; Flavouring compounds; 2b13037; 2-(2-Methylprop-1-enyl)-4-methyltetrahydropyran; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
• 2; b; Flavouring compounds; 2b02014; alpha-Terpineol; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
• 2; b; Flavouring compounds; 2b02018; Nerolidol; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
• 2; b; Flavouring compounds; 2b02042; 2-(4-Methylphenyl)propan-2-ol; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
• 2; b; Flavouring compounds; 2b02230; Terpineol; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
• 2; b; Flavouring compounds; 2b09013; Linalyl acetate; Commission Implementing Regulation (EU) 2017/56 of 14 December 2016 in OJ L 13, 17.01.2017, p. 129
• 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-butirate; 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-(methylthio) 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-Methylpropene-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
- Flavouring compounds; 2b09014; Benzyl acetate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09051; Benzyl butyrate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09077; Benzyl formate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09132; Benzyl propionate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09316; Benzyl hexanoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09426; Benzyl isobutyrate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09458; Benzyl isovalerate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09581; Hexyl salicylate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09705; Benzyl phenylacetate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09725; Methyl benzoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09726; Ethyl benzoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09755; Isopentyl benzoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09757; Isobutyl benzoate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- Flavouring compounds; 2b09762; Pentyl salicylate; Commission Implementing Regulation (EU) 2017/63 of 14 December 2016 in OJ L 13, 17.01.2017, p. 214
- 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
- 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
- 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
- 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
- Flavouring compounds; 2b01007; beta-caryophyllene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
- Flavouring compounds; 2b01009; Camphene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
- 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
- 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
- Flavouring compounds; 2b01045; d-Limonene; Commission Implementing Regulation (EU) 2017/65 of 14 December 2016 in OJ L 13, 17.01.2017, p. 246
Deletions:

- 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

- 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. 111-70-6 / Heptan-1-ol / Flavis No. 02.021;
  Replaced by 2b02021

- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 112-30-1 / Decan-1-ol / Flavis No. 02.024;
  Replaced by 2b02024

- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 71-41-0 / Pentan-1-ol / Flavis No. 02.040;
  Replaced by 2b02040

- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 64-17-5 / Ethanol / Flavis No. 02.078;
  Replaced by 2b02078

- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 75-07-0 / Acetaldehyde / Flavis No. 05.001;
  Replaced by 2b05001

- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 123-38-6 / Propanal / Flavis No. 05.002;
  Replaced by 2b05002
• 2; b; Natural or corresponding synthetic chemically defined flavourings;
   CAS No. 123-72-8 / Butanal / Flavis No. 05.003;
   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;
   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;
   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;
   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;
   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;
   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;
  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;
  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;
  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;
  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;
  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;
  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;
Replaced by 2b08007

• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 142-62-1 / Hexanoic acid / Flavis No. 08.009;
Replaced by 2b08009

• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 124-07-2 / Octanoic acid / Flavis No. 08.010;
Replaced by 2b08010

• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 334-48-5 / Decanoic acid / Flavis No. 08.011;
Replaced by 2b08011

• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 143-07-7 / Dodecanoic acid / Flavis No. 08.012;
Replaced by 2b08012

• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 112-80-1 / Oleic acid / Flavis No. 08.013;
Replaced by 2b08013
• 2; b; Natural or corresponding synthetic chemically defined flavourings;
  CAS No. 57-10-3 / Hexadecanoic acid / Flavis No. 08.014;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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;
  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. 106-70-7 / Methyl hexanoate / Flavis No. 09.069;
  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;
  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;
  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;
  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;
  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;
  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; 
  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; 
  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; 
  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; 
  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-en-0ate / Flavis No. 09.191; 
  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; 
  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;
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;
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;
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;
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;
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;
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;
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;
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;
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;
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;
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;
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;
  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;
  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;
  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;
  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;
  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;
  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;
  Replaced by 2b08045

• 2; b; Natural or corresponding synthetic chemically defined flavourings;
  CAS No. 116-53-0 / 2-Methylbutyric acid / Flavis No. 08.046;
  Replaced by 2b08046

• 2; b; Natural or corresponding synthetic chemically defined flavourings;
  CAS No. 1188-02-9 / 2-Methylheptanoic acid / Flavis No. 08.047;
  Replaced by 2b08047

• 2; b; Natural or corresponding synthetic chemically defined flavourings;
  CAS No. 45019-28-1 / 4-Methylnonanoic acid / Flavis No. 08.062;
  Replaced by 2b08062

• 2; b; Natural or corresponding synthetic chemically defined flavourings;
  CAS No. 54947-74-9 / 4-Methyloctanoic acid / Flavis No. 08.063;
  Replaced by 2b08063

• 2; b; Natural or corresponding synthetic chemically defined flavourings;
  CAS No. 110-19-0 / Isobutyl acetate / Flavis No. 09.005;
  Replaced by 2b09005
• 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 539-90-2 / Isobutyl butyrate / Flavis No. 09.043;
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;
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;
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;
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;
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;
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 / Glycerol tributyrate / Flavis No. 09.211;
  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 / Isobutyric isobutyrate / Flavis No. 09.417;
  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;
  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;
  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;
  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;
  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;
Replaced by 2b09659

• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 123-96-6 / Octan-2-ol / Flavis No. 02.022;
Replaced by 2b02022

• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 67-63-0 / Isopropanol / Flavis No. 02.079;
Replaced by 2b02079

• 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;
Replaced by 2b02088

• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 589-98-0 / Octan-3-ol / Flavis No. 02.098;
Replaced by 2b02098

• 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 110-43-0 / Heptan-2-one / Flavis No. 07.002;
Replaced by 2b07002
2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 107-87-9 / Pentan-2-one / Flavis No. 07.054;
Replaced by 2b07054

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;
Replaced by 2b07099

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 925-78-0 / Nonan-3-one / Flavis No. 07.113;
Replaced by 2b07113

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 693-54-9 / Decan-2-one / Flavis No. 07.150;
Replaced by 2b07150

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 110-27-0 / Isopropyl tetradecanoate / Flavis No. 09.105;
Replaced by 2b09105

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 598-82-3 / Lactic acid / Flavis No. 08.004;
Replaced by 2b08004
• 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 123-76-2 / 4-Oxovaleric acid / Flavis No. 08.023;
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;
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;
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;
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;
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;
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; 
  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; 
  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; 
  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; 
  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; 
  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; 
  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. 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;
  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;
  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;
  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;
  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;
  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;
  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;
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;
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;
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;
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;
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;
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;
  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;
  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;
  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;
  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;
  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];
  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

• 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

• 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

• 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

• 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

• 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
2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 2050-87-5 / Diallyl trisulfide / Flavis No. 12.009;
Replaced by 2b12009

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 3658-80-8 / Dimethyl trisulfide / Flavis No. 12.013;
Replaced by 2b12013

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 629-19-6 / Dipropyl disulfide / Flavis No. 12.014;
Replaced by 2b12014

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 57-06-7 / Allyl isothiocyanate / Flavis No. 12.025;
Replaced by 2b12025

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 624-92-0 / Dimethyl disulfide / Flavis No. 12.026;
Replaced by 2b12026

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 137-06-4 / 2-Methylbenzene-1-thiol / Flavis No. 12.027;
Replaced by 2b12027
• 2; b; Natural or corresponding synthetic chemically defined flavourings;
  CAS No. 2432-51-1 / S-Methyl butanethioate / Flavis No. 12.032;
  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;
  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;
  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;
  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;
  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;
  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. 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. 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. 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;
  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;
  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;
  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;
  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;
  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;
  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];
Replaced by 2b09020

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 103-37-7 / Benzyl butyrate / Flavis No. 09.051;
Replaced by 2b09051

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 104-57-4 / Benzyl formate / Flavis No. 09.077;
Replaced by 2b09077

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 122-63-4 / Benzyl propionate / Flavis No. 09.132;
Replaced by 2b09132

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 6938-45-0 / Benzyl hexanoate / Flavis No. 09.316;
Replaced by 2b09316

2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 103-28-6 / Benzyl isobutyrate / Flavis No. 09.426;
Replaced by 2b09426


• 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. 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. 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. 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


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](https://ec.europa.eu/food/safety/animal-feed/feed-additives_eu-register_en). The former appendixes 3a to 3d are deleted.

**Appendix 4:** Further information

This Register is available at:

Further information on the Community legislation on feed additives can be found in:
## Annex I

### List of additives

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<th>Category</th>
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<th>Subclassification</th>
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<th>Additive</th>
<th>Reference(s) of Community legal act</th>
<th>Reference in OJ</th>
<th>Date of authorisation</th>
<th>Expiry date of authorisation(s)</th>
<th>Date of first entry in the Register</th>
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</thead>
<tbody>
<tr>
<td>1 d</td>
<td>Stabilisers</td>
<td>1d401</td>
<td>Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish]</td>
<td>Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018</td>
<td>OJ L 257, 15.10.2018, p. 13</td>
<td>04.11.2028</td>
<td>04.11.2028</td>
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<td>1 e</td>
<td>Thickeners</td>
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<td>Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish]</td>
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<td>OJ L 257, 15.10.2018, p. 13</td>
<td>04.11.2028</td>
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<td>1 f</td>
<td>Gelling agents</td>
<td>1d401</td>
<td>Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish]</td>
<td>Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018</td>
<td>OJ L 257, 15.10.2018, p. 13</td>
<td>04.11.2028</td>
<td>04.11.2028</td>
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<td>1 g</td>
<td>Binders</td>
<td>1d401</td>
<td>Sodium alginate [Cats and dogs; Other non-food-producing animals; Fish]</td>
<td>Commission Implementing Regulation (EU) 2018/1533 of 12 October 2018</td>
<td>OJ L 257, 15.10.2018, p. 13</td>
<td>04.11.2028</td>
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<td>1</td>
<td>Binders, anti-caking agents and coagulants</td>
<td>E 535</td>
<td>Sodium Ferrocyanide</td>
<td>Reg. (EC) No 1810/2005</td>
<td>OJ L 291, 05.11.2005, p. 5</td>
<td>25.11.2005</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
<td>16.12.05</td>
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<td>Binders, anti-caking agents and coagulants</td>
<td>E 536</td>
<td>Potassium Ferrocyanide</td>
<td>Reg. (EC) No 1810/2005</td>
<td>OJ L 291, 05.11.2005, p. 5</td>
<td>25.11.2005</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Binders, anti-caking agents and coagulants</td>
<td>E 551a</td>
<td>Silicic acid, precipitated and dried</td>
<td>Commission Regulation (EC) No 2439/1999 of 17 November 1999</td>
<td>OJ L 297, 18.11.1999, p. 8</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>1</td>
<td>Binders, anti-caking agents and coagulants</td>
<td>E 551b</td>
<td>Colloidal silica</td>
<td>Commission Regulation (EC) No 2439/1999 of 17 November 1999</td>
<td>OJ L 297, 18.11.1999, p. 8</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Binders, anti-caking agents and coagulants</td>
<td>E 551c</td>
<td>Kieselgur (diatomaceous earth, purified)</td>
<td>Commission Regulation (EC) No 2439/1999 of 17 November 1999</td>
<td>OJ L 297, 18.11.1999, p. 8</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Calcium silicate, synthetic</td>
<td>Commission Regulation (EC) No 2439/1999 of 17 November 1999</td>
<td>OJ L 297, 18.11.1999, p. 8</td>
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<td>E 554</td>
<td>Sodium aluminosilicate, synthetic</td>
<td>Commission Regulation (EC) No 2439/1999 of 17 November 1999</td>
<td>OJ L 297, 18.11.1999, p. 8</td>
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<td>1</td>
<td>Binders, anti-caking agents and coagulants</td>
<td>E 559</td>
<td>Kaolinitic clays, free of asbestos</td>
<td>Commission Regulation (EC) No 2439/1999 of 17 November 1999</td>
<td>OJ L 297, 18.11.1999, p. 8</td>
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<td>Lactobacillus fermentum (NCIMB 41636), Lactobacillus plantarum (NCIMB 41638) and Lactobacillus rhamnosus (NCIMB 41640) [Dogs]</td>
<td>Commission Implementing Regulation (EU) 2017/455 of 15 March 2017</td>
<td>OJ L 71, 15.03.2017, p. 15</td>
<td>05.04.2017</td>
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<td>Commission Implementing Regulation (EU) 2015/146 of 20 August 2015</td>
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<td>Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg [Pigs; Poultry; Bovines; Sheep; Goats; Rabbits; Horses]</td>
<td>Commission Implementing Regulation (EU) No 159/2013 of 21 February 2013</td>
<td>OJ L 49, 22.02.2013, p. 47</td>
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<td>OJ L 174, 03.07.2015, p. 3</td>
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<td>Ascorbyl palmitate</td>
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<td>Tocopherol extracts from vegetable oils</td>
<td>Commission Implementing Regulation (EU) 2015/1152 of 14 July 2015</td>
<td>OJ L 187, 15.07.2015, p. 5</td>
<td>04.08.2015</td>
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<td>Tocopherol- rich extracts from vegetable oils (delta rich)</td>
<td>Commission Implementing Regulation (EU) 2015/1152 of 14 July 2015</td>
<td>OJ L 187, 15.07.2015, p. 5</td>
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<td>Butylated hydroxyanisole (BHA) [Dogs]</td>
<td>Commission Regulation (EC) No 2316/98 of 26 October 1998</td>
<td>OJ L 289, 26.10.1998, p. 4</td>
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<td>Butylated hydroxytoluene (BHT) [Dogs]</td>
<td>Commission Regulation (EC) No 2316/98 of 26 October 1998</td>
<td>OJ L 289, 28.10.1998, p. 4</td>
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<td>Following the provisions of Art. 10 § 2 of Reg (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Commission Implementing Regulation (EU) 2018/1564 of 17 October 2018</td>
<td>OJ L 262, 19.10.2018, p. 20</td>
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<td>Commission Implementing Regulation (EU) 2018/10 of 3 January 2019</td>
<td>OJ L 2, 04.01.2019, p. 13</td>
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<td>Radioactive caesium binders (137Cs and 134 Cs)</td>
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<td>Ferric (III) ammonium hexacyanoferrate (II) [Ruminants (domestic and wild); Calves prior to the state of ruminating; Lambs prior to the state of ruminating; Kids prior to the state of ruminating; Pigs (domestic and wild)]</td>
<td>Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)</td>
<td>OJ C 50, 25.02.2004, p. 1</td>
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<td>Iron sodium tartrates [All animal species]</td>
<td>Commission Implementing Regulation (EU) No 2016/896 of 8 June 2016</td>
<td>OJ L 152, 09.06.2016, p. 3</td>
<td>29.06.2016</td>
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<td>Commission Implementing Regulation (EU) 2015/1416 of 20 August 2015</td>
<td>OJ L 220, 21.08.2015, p.11</td>
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<td>1j514ii</td>
<td>Sodium bisulphate [Pets and other non-food producing animals other than cats and mink; Cats; Mink]</td>
<td>Commission Implementing Regulation (EU) No 1300/2012 of 16 February 2012 Amended by Commission Implementing Regulation (EU) 2015/1416 of 20 August 2015</td>
<td>OJ L 46, 17.02.2012, p. 33 / Amended by OJ L 220, 21.08.2015, p. 3</td>
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<td>Alpha-amylase EC 3.2.1.1 from Aspergillus oryzae CBS 585.94</td>
<td>Reg. (EC) 1831/2003</td>
<td>OJ L 268, 18.10.2003, p. 29</td>
<td>07.11.2005</td>
<td>Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>OJ L 268, 18.10.2003, p. 29</td>
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<td>Commission Implementing Regulation (EU) 2018/454 of 20 March 2019</td>
<td>OJ L 79, 21.03.2019, p. 4</td>
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<td>Cellulase EC 3.2.1.4 from <em>Trichoderma longibrachiatum</em> ATCC 74252</td>
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<td>Enterococcus faecium SF202 DSM 4788 ATCC 53519</td>
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<td>OJ L 268, 18.10.2003, p. 29</td>
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<td>Commission Implementing Regulation (EU) 2017/1907 of 18 October 2017</td>
<td>OJ L 269, 19.10.2017, p. 36</td>
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<td>OJ L 126, 15.05.2019, p. 1</td>
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<td>Commission Implementing Regulation (EU) No 96/2013 of 1 February 2013</td>
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<td>OJ L 268, 18.10.2003, p. 29</td>
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<td>Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014</td>
<td>OJ L 232, 05.08.2014, p. 18</td>
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<td>Hexamethylene tetramine [Bovines; Ovines; Pigs; Poultry; Rabbits; Horses; Goats]</td>
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<td>Micro-organism strain DSM 11798 of the Coriobacteriaceae family [All avian species]</td>
<td>Commission Implementing Regulation (EU) No 2017/930 of 31 May 2017</td>
<td>OJ L 141, 01.06.2017, p. 6</td>
<td>21.06.2017</td>
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<td>Fumonisin esterase EC 3.1.1.87 produced by Komagataella pastoris DSM 26643 [All avian species]</td>
<td>Commission Implementing Regulation (EU) No 2017/913 of 29 May 2017</td>
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<td>Substances for the reduction of the contamination of feed by mycotoxins (fumonisins)</td>
<td>1m03i</td>
<td>Fumonisin esterase EC 3.1.1.87 produced by <em>Komagataella phaffii</em> (DSM 32159) [All pigs; All poultry species]</td>
<td>Commission Implementing Regulation (EU) No 2018/1568 of 18 October 2018</td>
<td>OJ L 262, 19.10.2018, p. 34</td>
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<td>Sunset yellow FCF as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]</td>
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<td>Carmine (Carmine Lake WSP 50%) as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]</td>
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<td>Erythrosine as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats; Reptiles]</td>
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<td>Chlorophyllin Copper Complex as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]</td>
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<td>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]</td>
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<td>Other colourants</td>
<td>E 171</td>
<td>Titanium dioxide (anatase &amp; 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]</td>
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<td>Iron Oxide Red, Black &amp; 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]</td>
<td>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</td>
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<td>Colourants, substances that add or restore colour in feedingstuffs</td>
<td>2a104</td>
<td>Quinoline Yellow [Non food-producing animals]</td>
<td>Commission Implementing Regulation (EU) 2015/244 of 16 February 2015</td>
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<td>09.03.2015</td>
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<td>Colourants, substances that add or restore colour in feedingstuffs</td>
<td>2a122</td>
<td>Azorubine or carmoisine (Disodium 4-hydroxy-3- (4-sulfonato-1-naphthylazo) naphthalene-1-sulfonate) [Cats and dogs]</td>
<td>Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012</td>
<td>OJ L 257, 29.08.2012, p. 3</td>
<td>25.11.2012</td>
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<td>Substances which, when fed to animals, add colours to food of animal origin</td>
<td>2a(ii)165</td>
<td>Astaxanthin dimethyldisuccinate [Salmon; Trout]</td>
<td>Reg. (EC) No 393/2008 of 30 April 2008</td>
<td>OJ L 117, 01.05.2008, p. 20</td>
<td>21.05.2008</td>
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<td>Commission Implementing Regulation (EU) 2015/1846 of 2 September 2015</td>
<td>OJ L 229, 03.09.2015, p. 5</td>
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<td>Commission Implementing Regulation (EU) 2015/1415 of 20 August 2015</td>
<td>OJ L 220, 21.08.2015, p. 7</td>
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<td>Commission Implementing Regulation (EU) 2015/1415 of 20 August 2015</td>
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<td>Tartrazine [Grain-eating ornamental birds; Small rodents; Ornamental fish]</td>
<td>Reg. (EC) No 358/2005</td>
<td>OJ L 57, 03.03.2005, p. 3</td>
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<td>Sunset yellow FCF [Grain-eating ornamental birds; Small rodents; Ornamental fish]</td>
<td>Reg. (EC) No 358/2005</td>
<td>OJ L 57, 03.03.2005, p. 3</td>
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<td>Reg. (EC) No 880/2004</td>
<td>OJ L 162, 30.04.2004, p. 68</td>
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<td>OJ C 50, 25.02.2004, p. 1</td>
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<td>OJ C 50, 25.02.2004, p. 1</td>
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<td>OJ C 50, 25.02.2004, p. 1</td>
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⁴ (sb) = solvent based
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Reference(s) of Community legal act: List of authorised additives in feedingstuffs (2004/C 50/01)
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⁵ Water based
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<td>a</td>
<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a672a</td>
<td>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]</td>
<td>Commission Implementing Regulation (EU) No 2015/724 of 5 May 2015</td>
<td>OJ L 115, 06.05.2015, p. 25</td>
<td>26.05.2015</td>
<td>26.05.2025</td>
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<td>3</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a672b</td>
<td>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]</td>
<td>Commission Implementing Regulation (EU) No 2015/724 of 5 May 2015</td>
<td>OJ L 115, 06.05.2015, p. 25</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a672c</td>
<td>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]</td>
<td>Commission Implementing Regulation (EU) No 2015/724 of 5 May 2015</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a820</td>
<td>Thiamine hydrochloride or Vitamin B1</td>
<td>Commission Implementing Regulation (EU) 2015/897 of 11 June 2015</td>
<td>OJ L 147, 12.06.2015, p. 8</td>
<td>02.07.2015</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a821</td>
<td>Thiamine mononitrate or Vitamin B1</td>
<td>Commission Implementing Regulation (EU) 2015/897 of 11 June 2015</td>
<td>OJ L 147, 12.06.2015, p. 8</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a825i</td>
<td>‘Riboflavin’ or Vitamin B2: - produced by Ashbya gossypii DSM 23096 - solid form produced by Ashbya gossypii DSM 23096</td>
<td>Commission Implementing Regulation (EU) 2019/901 of 29 May 2019</td>
<td>OJ L 144, 03.06.2019, p. 41</td>
<td>23.06.2019</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a825i</td>
<td>‘Riboflavin’ or ‘Vitamin B₂’: - solid form produced by Bacillus subtilis DSM 17339 and/or DSM 23984</td>
<td>Commission Implementing Regulation (EU) 2019/901 of 29 May 2019</td>
<td>OJ L 144, 03.06.2019, p. 41</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a 826</td>
<td>‘Riboflavin 5′-phosphate monosodium salt’ or ‘Vitamin B₁₂’ produced after phosphorylation of riboflavin 98 % produced by Bacillus subtilis DSM 17339 and/or DSM 23984</td>
<td>Commission Implementing Regulation (EU) 2019/901 of 29 May 2019</td>
<td>OJ L 144, 03.06.2019, p. 41</td>
<td>23.06.2019</td>
<td>23.06.2029</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a831</td>
<td>Vitamin B₆ / pyridoxine hydrochloride</td>
<td>Commission Implementing Regulation (EU) No 515/2011 of 25 May 2011</td>
<td>OJ L 138, 26.05.2011, p. 40</td>
<td>15.06.2011</td>
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<td>Vitamins and provitamins</td>
<td>3a300</td>
<td>Ascorbic acid or Vitamin C</td>
<td>Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015</td>
<td>OJ L 174, 03.07.2015, p. 8</td>
<td>23.07.2015</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a311</td>
<td>Sodium ascorbyl phosphate or Vitamin C</td>
<td>Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015</td>
<td>OJ L 174, 03.07.2015, p. 8</td>
<td>23.07.2015</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a312</td>
<td>Sodium calcium ascorbyl phosphate or Vitamin C</td>
<td>Commission Implementing Regulation (EU) 2015/1061 of 2 July 2015</td>
<td>OJ L 174, 03.07.2015, p. 8</td>
<td>23.07.2015</td>
<td>23.07.2025</td>
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<td>3</td>
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<td>Vitamins and provitamins</td>
<td>3a671</td>
<td>‘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]</td>
<td>Commission Implementing Regulation (EU) 2017/1492 of 21 August 2017 / Amended by Commission Implementing Regulation (EU) 2019/849 of 24 May 2019</td>
<td>OJ L 276, 22.08.2017, p. 19 / Amended by OJ L 139 of 27.05.2019, p. 4</td>
<td>11.09.2017</td>
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### Table: Vitamins, provitamins and chemically well-defined substances having a similar effect

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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a700</td>
<td>Vitamin E or all-rac-alpha-tocopheryl acetate or RRR-alpha-tocopheryl acetate or RRR alpha tocopherol [All species]</td>
<td>Reg. (EU) No 26/2011 of 14 January 2011 / Correction in Commission Implementing Regulation (EU) 2015/1747 of 30 September 2015</td>
<td>OJ L 13, 15.01.2011, p. 18 / Correction in OJ L 256, 01.10.2015, p. 7</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a920</td>
<td>Betaine anhydrous</td>
<td>Commission Implementing Regulation (EU) 2015/1060 of 2 July 2015</td>
<td>OJ L 174, 03.07.2015, p. 3</td>
<td>23.07.2015</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a921</td>
<td>Betaine anhydrous produced from genetically modified sugar beet</td>
<td>Commission Implementing Regulation (EU) 2015/1060 of 2 July 2015</td>
<td>OJ L 174, 03.07.2015, p. 3</td>
<td>23.07.2015</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a925</td>
<td>Betaine hydrochloride</td>
<td>Commission Implementing Regulation (EU) 2015/1060 of 2 July 2015</td>
<td>OJ L 174, 03.07.2015, p. 3</td>
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<td>3a880</td>
<td>Biotin</td>
<td>Commission Implementing Regulation (EU) No 2015/723 of 5 May 2015</td>
<td>OJ L 115, 06.05.2015, p. 22</td>
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<td>3a910</td>
<td>L-carnitine</td>
<td>Commission Implementing Regulation (EU) 2015/662 of 28 April 2015</td>
<td>OJ L 110, 29.04.2015, p. 5</td>
<td>19.05.2015</td>
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<td>3a911</td>
<td>L-carnitine L-tartrate (LCLT)</td>
<td>Commission Implementing Regulation (EU) 2015/662 of 28 April 2015</td>
<td>OJ L 110, 29.04.2015, p. 5</td>
<td>19.05.2015</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a370</td>
<td>Taurine [Canidae, Felidae, Mustelidae and carnivorous fish]</td>
<td>COMMISSION IMPLEMENTING REGULATION (EU) 2015/722 of 5 May 2015</td>
<td>OJ L 115, 06.05.2015, p. 18</td>
<td>26.05.2015</td>
<td>26.05.2025</td>
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<td>Chemically well defined substances having a similar biological effect to vitamins</td>
<td>3a370</td>
<td>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]</td>
<td>Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)</td>
<td>OJ C 50, 26.02.2004, p. 1</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
<td>07.11.05</td>
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<td>Vitamins, provitamins and chemically well-defined substances having a similar effect</td>
<td>3a160(a)</td>
<td>Beta-carotene</td>
<td>Commission Implementing Regulation (EU) No 2015/1103 of 8 July 2015</td>
<td>OJ L 181, 09.07.2015, p. 57</td>
<td>29.07.2015</td>
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<td>Commission Implementing Regulation (EU) No 2016/973 of 17 June 2016</td>
<td>OJ L 181, 18.06.2016, p. 21</td>
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<td>Commission Implementing Regulation (EU) 2019/804 of 17 May 2019</td>
<td>OJ L 152, 20.05.2019, p. 28</td>
<td>09.06.2019</td>
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<td>Selenomethionine produced by <em>Saccharomyces cerevisiae</em>NCYC R646 (Selenised yeast inactivated) [All species]</td>
<td>Commission Implementing Regulation (EU) No 427/2013 of 8 May 2013</td>
<td>OJ L 127, 09.05.2013, p. 20</td>
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<td>Commission Implementing Regulation (EU) No 445/2013 of 14 May 2013</td>
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<td>Dir. 88/485/EEC</td>
<td>OJ L 239, 30.08.1988, p. 36</td>
<td>- Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Dir. 88/485/EEC</td>
<td>OJ L 239, 30.08.1988, p. 36</td>
<td>- Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Commission Implementing Regulation (EU) 2017/439 of 13 March 2017</td>
<td>OJ L 67, 14.03.2017, p. 70</td>
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<td>OJ L 239, 30.08.1988, p. 36</td>
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<td>Lysine / L-lysine sulphate produced by fermentation with <em>Corynebacterium glutamicum</em></td>
<td>Dir. 88/485/EEC</td>
<td>OJ L 239, 30.08.1988, p. 36</td>
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<td>Amino acids, their salts and analogues</td>
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<td>Commission Implementing Regulation (EU) 2016/1220 of 26 July 2016</td>
<td>OJ L 201, 27.07.2016, p. 11</td>
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<td>L-tryptophan produced by fermentation with <em>Escherichia coli</em> KGCM 11132P or <em>Escherichia coli</em> DSM 25084 or <em>Escherichia coli</em> FERM BP-11200 or <em>Escherichia coli</em> FERM BP-11354 or <em>Escherichia coli</em> KGCM 7.59 or <em>Escherichia coli</em> KGCM 3667.</td>
<td>Commission Implementing Regulation (EU) 2017/873 of 22 May 2017</td>
<td>OJ L 134, 22.05.2017, p. 14</td>
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<td>Amino acids, their salts and analogues</td>
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<td>L-histidine monohydrochloride monohydrate produced by <em>Escherichia coli</em> (ATCC 9637) [Salmonids]</td>
<td>Reg. (EC) 244/2007</td>
<td>OJ L 73, 13.03.2007, p. 6</td>
<td>02.04.2007</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>L-arginine produced by <em>Corynebacterium glutamicum</em> (ATCC 13870) [All species]</td>
<td>Reg. (EC) No 1139/2007 of 1 October 2007</td>
<td>OJ L 256, 02.10.2007, p. 11</td>
<td>22.10.2007</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>L-arginine produced by <em>Corynebacterium glutamicum</em> (KCTC 10423BP) [All species]</td>
<td>Commission Implementing Regulation (EU) 2016/972 of 17 June 2016</td>
<td>OJ L 161, 18.06.2016, p. 18</td>
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<td>3c301</td>
<td>DL-methionine, technically pure</td>
<td>Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013</td>
<td>OJ L 136, 23.05.2013, p. 1</td>
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<td>Sodium DL- methionine, liquid</td>
<td>Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013</td>
<td>OJ L 136, 23.05.2013, p. 1</td>
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<td>Amino acids, their salts and analogues</td>
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<td>DL-methionine protected with copolymer vinylpyridine/styrene</td>
<td>Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013</td>
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<td>Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013</td>
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<td>3c305</td>
<td>L-methionine produced by fermentation with <em>Escherichia coli</em> KCCM 11252P and KCCM 11340P</td>
<td>Commission Implementing Regulation (EU) No 852/2014 of 5 August 2014</td>
<td>OJ L 233, 06.08.2014, p. 22</td>
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<td>Commission Implementing Regulation (EU) 2015/1408 of 19 August 2015</td>
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<td>3c307</td>
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<td>Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013</td>
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<td>Isopropyl ester of the hydroxylated analogue of methionine</td>
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<td>3c310</td>
<td>Hydroxy analogue of methionine and its calcium salt</td>
<td>Commission Implementing Regulation (EU) 2019/8 of 3 January 2019</td>
<td>OJ L 2, 04.01.2019, p. 6</td>
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<td>Amino acids, their salts and analogues</td>
<td>3c370</td>
<td>L-valine produced by Escherichia coli NITE SD 00066 or Escherichia coli NITE BP-01755</td>
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<td>Digestibility enhancers</td>
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<td>Preparation of endo-1,4-beta-xylanase produced by <em>Trichoderma reesei</em> (CBS 114044) (Holder of the authorisation Roal Oy) [Piglets (weaned); Chickens for fattening; chickens reared for laying; turkeys for fattening; turkeys reared for breeding]</td>
<td>Commission Implementing Regulation (EU) No 1404/2013 of 20 December 2013</td>
<td>OJ L 349, 21.12.2013, p. 88</td>
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<td>Digestibility enhancers</td>
<td>4a8</td>
<td>Preparation of endo-1,4-beta-xylanase produced by <em>Trichoderma reesei</em> (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]</td>
<td>Commission Implementing Regulation (EU) 2018/1569 of 18 October 2018</td>
<td>OJ L 262, 18.10.2018, p. 37</td>
<td>08.11.2018</td>
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<td>4a12</td>
<td>Preparation of 6-phytase (EC 3.1.3.26) produced by <em>Trichoderma reesei</em> (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]</td>
<td>Reg. (EU) No 277/2010 of 31 March 2010</td>
<td>OJ L 86, 01.04.2010, p. 13</td>
<td>21.04.2010</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
<td>06.04.10</td>
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<td>4a12</td>
<td>Preparation of 6-phytase (EC 3.1.3.26) produced by <em>Trichoderma reesei</em> (CBS 122001) (Holder of the authorisation Roal Oy) [Turkeys]</td>
<td>Reg. (EU) No 891/2010 of 8 October 2010</td>
<td>OJ L 266, 09.10.2010, p. 4</td>
<td>29.10.2010</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
<td>11.10.10</td>
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<td>Preparation of 6-phytase (EC 3.1.3.26) produced by <em>Trichoderma reesei</em> (CBS 122001) (Holder of the authorisation Roal Oy) [Sows]</td>
<td>Reg. (EU) No 886/2011 of 5 September 2011</td>
<td>OJ L 220, 06.09.2011, p. 5</td>
<td>26.09.2011</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Preparation of endo-1,4-β-xylanase (EC 3.2.1.8) produced by <em>Trichoderma reesei</em> (MUCL 49755), endo-1,3(4)-β-glucanase (EC 3.2.1.6) produced by <em>Trichoderma reesei</em> (MUCL 49754) and polygalacturonase (EC 3.2.1.15) produced by <em>Aspergillus aculeatus</em> (CBS 589.94) (Holder of the authorisation Aveve NV) [Piglets (weaned)]</td>
<td>Commission Implementing Regulation (EU) No 527/2011 of 30 May 2011</td>
<td>OJ L 143, 31.05.2011, p. 6</td>
<td>20.06.2011</td>
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<td>4a16</td>
<td>Preparation 6-phytase (EC 3.1.3.26) produced by <em>Komagataella pastoris</em> (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)]</td>
<td>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</td>
<td>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</td>
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<td>Preparation of alpha-galactosidase (EC 3.2.1.22) produced by <em>Saccharomyces cerevisiae</em> (CBS 615.94) and endo-1,4-beta-glucanase (EC 3.2.1.4) produced by <em>Aspergillus niger</em> (CBS 120604), solid form, (Holder of the authorisation Kerry Ingredients and Flavours) [Minor poultry species for fattening; Chickens reared for laying]</td>
<td>Commission Implementing Regulation (EU) No 1365/2013 of 18 December 2013</td>
<td>OJ L 343, 19.12.2013, p. 31</td>
<td>08.01.2014</td>
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<td>4a17</td>
<td>Preparation of alpha-galactosidase (EC 3.2.1.22) produced by <em>Saccharomyces cerevisiae</em> (CBS 615.94) and endo-1,4-beta-glucanase (EC 3.2.1.4) produced by <em>Aspergillus niger</em> (CBS 120604), solid form, (Holder of the authorisation Kerry Ingredients and Flavours) [Laying hens; Minor poultry species for laying]</td>
<td>Commission Implementing Regulation (EU) No 2015/2382 of 17 December 2015</td>
<td>OJ L 332, 18.12.2015, p. 54</td>
<td>07.01.2016</td>
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<td>4a19</td>
<td>Preparation of 6-phytase (EC 3.1.3.26) produced by <em>Trichoderma reesei</em> (CBS 126897) (Holder of the authorisation Roal Oy) [Poultry other than laying birds; Laying birds; Weaned piglets; Pigs for fattening and sows]</td>
<td>Commission Implementing Regulation (EU) No 292/2014 of 21 March 2014</td>
<td>OJ L 87, 22.03.2014, p. 90</td>
<td>11.04.2014</td>
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<td>Preparation of alpha-amylase EC 3.2.1.1 produced by <em>Bacillus licheniformis</em> (DSM 21564) (Holder of the authorisation DSM Nutritional products Ltd, represented by DSM Nutritional Products Sp. Z.o.o) [Dairy cows]</td>
<td>Commission Implementing Regulation (EU) 2015/47 of 14 January 2015</td>
<td>OJ L 9, 15.01.2015, p. 8</td>
<td>04.02.2015</td>
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<td>4a22</td>
<td>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 <em>Talaromyces versatilis</em> sp. nov. IMI CC 378536 and <em>Talaromyces versatilis</em> 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]</td>
<td>Commission Implementing Regulation (EU) 2015/661 of 28 April 2015</td>
<td>OJ L 110, 29.04.2015, p. 1</td>
<td>19.05.2015</td>
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<td>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 <em>Talaromyces versatilis</em> sp. nov. IMI CC 378536 and <em>Talaromyces versatilis</em> sp. nov. DSM 26702 (Holder of the authorisation Adisseo France S.A.S.) [Turkeys for fattening; Turkeys reared for breeding]</td>
<td>Commission Implementing Regulation (EU) 2015/2304 of 10 December 2015</td>
<td>OJ L 326, 11.12.2015, p. 59</td>
<td>31.12.2015</td>
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<td>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 <em>Talaromyces versatilis</em> sp. nov. IMI CC 378536 and <em>Talaromyces versatilis</em> sp. nov. DSM 26702 (Holder of the authorisation Adisseo France S.A.S.) [Laying hens]</td>
<td>Commission Implementing Regulation (EU) 2017/210 of 7 February 2017</td>
<td>OJ L 35, 08.02.2017, p. 19</td>
<td>28.02.2017</td>
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<td>Digestibility enhancers</td>
<td>4a23</td>
<td>Preparation of 6-phytase produced by <em>Komagataella pastoris</em> (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]</td>
<td>Commission Implementing Regulation (EU) 2016/329 of 8 March 2016 / amended by Commission Implementing Regulation (EU) 2017/231 of 4 December 2017</td>
<td>OJ L 62, 09.03.2016, p. 5 / amended by OJ L 315, 05.12.2017, p. 28</td>
<td>29.03.2016</td>
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<td>4a24</td>
<td>6-phytase EC 3.1.3.26 produced by <em>Trichoderma reesei</em> (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 sucking piglets)]</td>
<td>Commission Implementing Regulation (EU) 2016/899 of 8 June 2016 / amended by Commission Implementing Regulation (EU) 2019/221 of 6 February 2019</td>
<td>OJ L 152, 09.06.2016, p. 15 / amended by OJ L 35, 07.02.2019, p. 28</td>
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<td>3-phytase EC 3.1.3.8 produced by <em>Komagataella pastoris</em> (CECT 13094) (Holder of the authorisation Fertinagro Nutrientes S.L.) [Chickens for fattening; Laying hens]</td>
<td>Commission Implementing Regulation (EU) 2017/895 of 24 May 2017</td>
<td>OJ L 138, 25.05.2017, p. 120</td>
<td>14.06.2017</td>
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<td>3-phytase EC 3.1.3.8 produced by <em>Komagataella pastoris</em> (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]</td>
<td>Commission Implementing Regulation 2019/144 of 29 January 2019</td>
<td>OJ L 27, 31.01.2019, p. 8</td>
<td>20.02.2019</td>
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<td>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)</td>
<td>Commission Implementing Regulation (EU) 2019/781 of 15 May 2019</td>
<td>OJ L 127, 16.05.2019, p. 1</td>
<td>05.06.2019</td>
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<td>4a26</td>
<td>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)</td>
<td>Commission Implementing Regulation (EU) 2018/130 of 25 January 2018</td>
<td>OJ L 22, 26.01.2018, p. 120</td>
<td>15.02.2018</td>
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<td>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)</td>
<td>Commission Implementing Regulation (EU) 2019/929 of 5 June 2019</td>
<td>OJ L 148, 06.06.2019, p. 25</td>
<td>26.06.2019</td>
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<td>4a26</td>
<td>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))</td>
<td>Commission Implementing Regulation (EU) 2018/338 of 7 March 2018 / Amended by Commission Implementing Regulation (EU) 2019/1290 of 31 July 2019</td>
<td>OJ L 65, 08.03.2018, p. 17 / Amended by OJ L 293, 07.08.2019, p. 6</td>
<td>28.03.2018</td>
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<td>4a28</td>
<td>Preparation of endo-1,4-beta-xylanase and endo-1,3(4)-beta-g lucanase produced 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))</td>
<td>Commission Implementing Regulation (EU) 2018/1090 of 31 July 2018</td>
<td>OJ L 195, 01.08.2018, p. 22</td>
<td>21.08.2018</td>
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<td>Preparation of endo-1,4-beta-mannanase produced by <em>Paenibacillus lentus</em> (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]</td>
<td>Commission Implementing Regulation (EU) 2018/1565 of 18 October 2018</td>
<td>OJ L 262, 19.10.2018, p. 24</td>
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<td>Preparation of endo-1,4-beta-xylanase produced by <em>Bacillus subtilis</em> LMG S-27586 (Holder of the authorisation Puratos) [Chickens for fattening or reared for laying; Turkeys for fattening or reared for breeding; Minor poultry species for fattening or reared for laying or breeding; Weaned piglets; Pigs for fattening; Minor porcine species for fattening]</td>
<td>Commission Implementing Regulation (EU) 2019/1324 of 5 August 2019</td>
<td>OJ L 206, 06.08.2019, p. 18</td>
<td>26.08.2019</td>
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<td>Digestibility enhancers</td>
<td>4a</td>
<td>4a1600</td>
<td>3-phytase (Natuphos) produced by <em>Aspergillus niger</em> (CBS 101.672) (Holder of the authorisation BASF SE) [Chickens for fattening; Piglets (weaned); Pigs for fattening]</td>
<td>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</td>
<td>OJ L 73, 13.03.2007, p. 4 / Corrigendum EN OJ L 130, 22.05.2007, p. 48 / Amended by OJ L 151, 11.06.2008, p. 3 / Amended by OJ L 339, 22.12.2009, p. 27</td>
<td>02.04.2007</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
<td>22.05.07</td>
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<td>3-phytase produced by <em>Aspergillus niger</em> (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]</td>
<td>Reg. (EC) No 1142/2007 of 01.10.07 / Amended by Reg (EC) No 516/2008</td>
<td>OJ L 256, 02.10.2007, p. 20 / Amended by OJ L 151, 11.06.2008, p. 3</td>
<td>22.10.2007</td>
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<td>Reg. (EC) No 165/2008 of 22 February 2008 / Amended by Reg (EC) No 516/2008</td>
<td>OJ L 50, 23.02.2008, p. 8 / Amended by OJ L 151, 11.06.2008, p. 3</td>
<td>14.03.2008</td>
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<td>Reg. (EC) No 505/2008 of 6 June 2008</td>
<td>OJ L 149, 07.06.2008, p. 52</td>
<td>27.06.2008</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>3-phytase produced by <em>Aspergillus niger</em> (CBS 101.672) (Holder of the authorisation BASF SE) [all minor avian species, other than ducks, and for ornamental birds]</td>
<td>Reg. (EC) No 327/2010 of 21 April 2010</td>
<td>OJ L 100, 22.04.2010, p. 3</td>
<td>12.05.2010</td>
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<td>4a1601</td>
<td>Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by <em>Aspergillus niger</em> (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]</td>
<td>Commission Implementing Regulation (EU) 2017/1896 of 17 October 2017</td>
<td>OJ L 267, 18.10.2017, p. 1</td>
<td>07.11.2017</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>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 <em>Trichoderma reesei</em> (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)]</td>
<td>Commission Implementing Regulation (EU) No 403/2013 of 2 May 2013 [Poultry for fattening other than turkeys for fattening; Poultry for laying; Turkeys for fattening; Piglets (weaned)]</td>
<td>OJ L 121, 03.05.2013, p. 33</td>
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<td>Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014 [All poultry species; Piglets (weaned); Pigs for fattening]</td>
<td>OJ L 87, 22.03.2014, p. 64</td>
<td>11.04.2014</td>
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<td>Endo-1,4-beta-xylanase (EC 3.2.1.8) produced by <em>Bacillus subtilis</em> LMG-S 15136 (Holder of the authorisation Beldem, division of Puratos NV) [Poultry; Weaned piglets; pigs for fattening]</td>
<td>Commission Implementing Regulation (EU) 2017/211 of 7 February 2017 [Poultry; Weaned piglets; pigs for fattening]</td>
<td>OJ L 33, 08.02.2017, p. 23</td>
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<td>Commission Implementing Regulation (EU) 2018/1566 of 18 October 2018 [Weaned piglets Minor porcine species (weaned)]</td>
<td>OJ L 283, 19.10.2018, p. 27</td>
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<td>Commission Implementing Regulation (EU) 2015/1043 of 30 June 2015</td>
<td>OJ L 167, 01.07.2015, p. 63</td>
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<td>Commission Implementing Regulation (EU) 2017/1906 of 18 October 2017</td>
<td>OJ L 269, 19.10.2017, p. 33</td>
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<td>Commission Implementing Regulation (EU) 2018/327 of 5 March 2018</td>
<td>OJ L 63, 06.03.2018, p. 7</td>
<td>26.03.2018</td>
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<td>Commission Implementing Regulation (EU) 2017/963 of 7 June 2017</td>
<td>OJ L 145, 08.06.2017, p.18</td>
<td>28.06.2017</td>
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<td>Preparation of endo-1,3(4)-beta-glucanase produced by <em>Aspergillus aculeatinus</em> (formerly classified as <em>Aspergillus aculeatus</em>) (CBS 589.94), endo-1,4-beta-glucanase produced by <em>Trichoderma reesei</em> (formerly classified as <em>Trichoderma longibrachiatum</em>) (CBS 592.94), alpha-amy lase produced by <em>Bacillus amyloliquifaciens</em> (DSM 9553) and endo-1,4-beta-xylanase produced by <em>Trichoderma viride</em> (NIBH FERM BP4842) (Holder of the authorisation Kemin Europa NV) [All avian species]</td>
<td>Commission Implementing Regulation (EU) 2017/429 of 10 March 2017</td>
<td>OJ L 66, 11.03.2017, p.4</td>
<td>21.03.2017</td>
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<td>4a1640</td>
<td>6-Phytase / EC 3.1.3.26 produced by <em>Schizosaccharomyces pombe</em> (ATCC 5233)</td>
<td>4a1640</td>
<td>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]</td>
<td>Reg (EC) No 785/2007 of 4 July 2007 / amended by Commission Implementing Regulation (EU) 2019/221 of 6 February 2019</td>
<td>OJ L 175, 05.02.2007, p. 4 / amended by OJ L 35, 07.02.2019, p.28</td>
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<td>Reg (EC) No 785/2007 of 4 July 2007 / amended by Commission Implementing Regulation (EU) 2019/221 of 6 February 2019</td>
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<td>6-Phytase / EC 3.1.3.26 produced by <em>Aspergillus oryzae</em> (DSM 14223)</td>
<td>4a1641(i)</td>
<td>(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]</td>
<td>Reg (EC) No 171/2011 of 23 February 2011</td>
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<td>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]</td>
<td>Reg (EC) No 221/2011 of 4 March 2011</td>
<td>OJ L 60, 05.03.2011, p. 3</td>
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<td>Saccharomyces cerevisiae CNCM I-4407 (Holder of the authorisation Société Industrielle Lesaffre) [Horses]</td>
<td>Commission Implementing Regulation (EU) 2019/899 of 29 May 2019</td>
<td>OJ L 144, 03.06.2019, p. 32</td>
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<td>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]</td>
<td>Commission Implementing Regulation (EU) 2017/447 of 14 March 2017</td>
<td>OJ L 69, 15.03.2017, p. 18</td>
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<td>Bacillus subtilis (DSM 5750) and Bacillus licheniformis (DSM 5749) (Holder of the authorisation Chr. Hansen A/S) [Suckling piglets]</td>
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<td>OJ L 3319, 14.12.2017, p. 19</td>
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<td>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]</td>
<td>Commission Implementing Regulation (EU) 2019/899 of 29 May 2019</td>
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<td>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]</td>
<td>Commission Implementing Regulation (EU) No 2015/518 of 26 March 2015</td>
<td>OJ L 82, 27.03.2015, p. 75</td>
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<td>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]</td>
<td>Commission Implementing Regulation (EU) 2015/1053 of 1 July 2015</td>
<td>OJ L 171, 01.07.2015, p. 8</td>
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<td>Commission Implementing Regulation (EU) No 797/2013 of 21 August 2013</td>
<td>OJ L 224, 22.08.2013, p. 6</td>
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<td>4b1711</td>
<td>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]</td>
<td>Commission Implementing Regulation (EU) 2019/857 of 27 May 2019</td>
<td>OJ L 140, 28.05.2019, p. 18</td>
<td>17.06.2019</td>
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<td>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)]</td>
<td>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</td>
<td>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</td>
<td>27.05.2013</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td><em>Pediacoccus acidilactici</em> 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)]</td>
<td>Commission Implementing Regulation (EU) 2017/2299 of 12 December 2017 / Corrigendum CS 3 July 2019</td>
<td>OJ L 329, 13.12.2017, p. 33 / Corrigendum CS in OJ L 179 CS, 03.19.2019, p. 27</td>
<td>02.01.2018</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td><em>Enterococcus faecium</em> CECT 4515 (Holder of the authorisation Evonik Nutrition &amp; Care GmbH) [Weaned piglets]</td>
<td>Commission Implementing Regulation (EU) No 2017/961 of 7 June 2017</td>
<td>OJ L 145, 08.06.2017, p. 7</td>
<td>28.06.2017</td>
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<td><em>Lactobacillus acidophilus</em> CECT 4529 (Holder of the authorisation Centro Sperimentale del Latte) [Layering hens]</td>
<td>Commission Implementing Regulation (EU) 2015/38 of 13 January 2015</td>
<td>OJ L 8, 14.01.2015, p. 4 / Corrigendum SL OJ L 128 SL, 23.05.2015, p. 29</td>
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<td><em>Bacillus subtilis</em> 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]</td>
<td>Commission Implementing Regulation (EU) 2019/893 of 28 May 2019</td>
<td>OJ L 142, 29.05.2019, p. 69</td>
<td>11.06.2019</td>
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<td>Commission Implementing Regulation (EU) No 2016/897 of 8 June 2016</td>
<td>OJ L 152, 09.06.2016, p. 7</td>
<td>29.06.2016</td>
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<td>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]</td>
<td>Commission Implementing Regulation (EU) 2017/2312 of 13 December 2017</td>
<td>OJ L 331, 14.12.2017, p.41</td>
<td>03.01.2018</td>
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<td><em>Bacillus subtilis</em> (DSM 27273) (Holder of the authorisation Chr.Hansen A/S) [Weaned piglets; Weaned minor porcine species]</td>
<td>Commission Implementing Regulation (EU) 2017/219 of 8 February 2017</td>
<td>OJ L 34, 06.02.2017, p. 18</td>
<td>01.03.2017</td>
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<td><em>Bacillus licheniformis</em> (DSM 28710) (Holder of the authorisation Huvepharma NV) [Chickens for fattening; Chickens reared for laying]</td>
<td>Commission Implementing Regulation (EU) 2017/1904 of 18 October 2017</td>
<td>OJ L 269, 19.10.2017, p. 27</td>
<td>08.11.2017</td>
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<td><em>Bacillus licheniformis</em> (DSM 28710) (Holder of the authorisation Huvepharma NV) [Turkeys for fattening; Turkeys reared for breeding; Minor poultry species for fattening or reared for laying]</td>
<td>Commission Implementing Regulation (EU) 2019/914 of 26 May 2019</td>
<td>OJ L 146, 06.06.2019, p. 60</td>
<td>25.06.2019</td>
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<td><em>Bacillus subtilis</em> DSM 29784 (Holder of the authorisation Adisseo France SAS) [Chickens for fattening; Chickens reared for laying]</td>
<td>Commission Implementing Regulation (EU) 2018/328 of 5 March 2018</td>
<td>OJ L 63, 06.03.2018, p. 10</td>
<td>26.03.2018</td>
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<td><em>Enterococcus faecium</em> (DSM 7134) (Bonvital) (Holder of the authorisation Lactosan Starterkulturen GmbH &amp; Co KG) [Piglets (weaned); Pigs for fattening]</td>
<td>Reg. (EC) No 538/2007 of 15 May 2007</td>
<td>OJ L 128, 16.05.2007, p. 16</td>
<td>05.06.2007</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td><em>Enterococcus faecium</em> (DSM 7134) (Holder of the authorisation Lactosan GmbH &amp; Co KG) [Chickens for fattening]</td>
<td>Reg. (EU) No 998/2010 of 5 November 2010</td>
<td>OJ L 290, 06.11.2010, p. 22</td>
<td>28.11.2010</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td><em>Enterococcus faecium</em> (DSM 7134) (Holder of the authorisation Lactosan Starterkulturen GmbH &amp; Co KG) [Chickens reared for laying; Minor poultry species (other than those used for laying)]</td>
<td>Commission Implementing Regulation (EU) No 775/2013 of 12 August 2013</td>
<td>OJ L 170, 13.08.2013, p. 32</td>
<td>02.09.2013</td>
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<td>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]</td>
<td>Commission Implementing Regulation (EU) 2015/1105 of 8 July 2015</td>
<td>OJ L 181, 09.07.2015, p. 65</td>
<td>29.07.2015</td>
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<td>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]</td>
<td>Commission Implementing Regulation (EU) No 1077/2013 of 31 October 2013</td>
<td>OJ L 292, 01.11.2013, p. 3</td>
<td>21.11.2013</td>
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<td>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]</td>
<td>Commission Implementing Regulation (EU) No 2017/1008 of 15 June 2017</td>
<td>OJ L 153, 16.06.2017, p. 16</td>
<td>06.07.2017</td>
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<td>Bacillus amyloliquefaciens NRRL B-50508, Bacillus amyloliquefaciens NRRL B-50509 and Bacillus subtilis NRRL B-50510 (Cargill Incorporated, represented by Provimi Holding BV) [Pigs for fattening; Minor porcine species for fattening]</td>
<td>Commission Implementing Regulation (EU) No 2019/1313 of 2 August 2019</td>
<td>OJ L 205, 05.08.2019, p. 1</td>
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<td>Saccharomyces cerevisiae CNCM I-1079 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Sows; Weaned piglets]</td>
<td>Commission Implementing Regulation (EU) No 2018/347 of 5 March 2018</td>
<td>OJ L 67, 09.03.2018, p. 21</td>
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<td>Lanthanum carbonate octahydrate (Lantharenol) (Holder of the authorisation Bayer Healthcare AG) [Cats]</td>
<td>Commission Implementing Regulation (EU) 2019/913 of 29 May 2019</td>
<td>OJ L 146, 06.06.2019, p. 67</td>
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<td>4d3</td>
<td>Preparation of protected citric acid, sorbic acid, thymol and vanillin (Holder of the authorisation Vetagro SpA) [Piglets (Weaned)]</td>
<td>Commission Implementing Regulation (EU) No 1117/2010 of 2 December 2010</td>
<td>OJ L 317, 03.12.2010, p. 3</td>
<td>23.12.2010</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>4d6</td>
<td>Preparation of caraway oil, lemon oil with dried herbs and spices (Holder of the authorisation Delacon Biotechnik GmbH) [Piglets (weaned)]</td>
<td>Commission Implementing Regulation (EU) No 151/2012 of 15 February 2012</td>
<td>OJ L 43, 16.02.2012, p. 5</td>
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<td>Ammonium chloride (Holder of the authorisation Latochema Co. Ltd) [Ruminants other than lambs for fattening; Cats; Dogs]</td>
<td>Commission Implementing Regulation (EU) 2016/1007 of 22 June 2016</td>
<td>OJ L 165, 23.06.2016, p. 10</td>
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<td>Ammonium chloride (Holder of the authorisation BASF SE) [Ruminants; Cats and dogs]</td>
<td>Commission Implementing Regulation (EU) No 725/2013 of 26 July 2013</td>
<td>OJ L 202, 27.07.2013, p. 17</td>
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<td>4d10</td>
<td>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]</td>
<td>Commission Implementing Regulation (EU) 2015/1426 of 25 August 2015</td>
<td>OJ L 223, 28.08.2015, p. 6</td>
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<td>Commission Implementing Regulation (EU) 2018/982 of 11 July 2018</td>
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<td>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]</td>
<td>Commission Implementing Regulation (EU) 2017/420 of 9 March 2017</td>
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<td>4d16</td>
<td>Preparation of muramidase (EC 3.2.1.17) (lysozyme) produced by Trichoderma reesei (DSM 32338) (Holder of authorisation DSM Nutritional Products Ltd, represented in EU by DSM Nutritional Products Sp. Z o.o)</td>
<td>Commission Implementing Regulation (EU) 2019/805 of 17 May 2019</td>
<td>OJ L 132</td>
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<td>4d18</td>
<td>Preparation of Eugenol (Holder of the authorisation Lidervet SL) [Chickens for fattening]</td>
<td>Commission Implementing Regulation (EU) 2019/888 of 29 May 2019</td>
<td>OJ L 144</td>
<td>23.06.2019</td>
<td>23.06.2029</td>
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<td>4d161g</td>
<td>Canthaxanthin (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z.o.o ) [Breeder hens]</td>
<td>Commission Implementing Regulation (EU) No 684/2014 of 20 June 2014</td>
<td>OJ L 182</td>
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<td>4d210</td>
<td>Benzoic acid (Holder of the authorisation DSM Nutritional Products Ltd) [Piglets (Weaned)]</td>
<td>Commission Implementing Regulation (EU) 2018/1550 of 16 October 2018</td>
<td>OJ L 260</td>
<td>05.11.2018</td>
<td>05.11.2028</td>
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<td>4d210</td>
<td>Benzoic acid (Holder of the authorisation DSM Nutritional Products Ltd) [Sows]</td>
<td>Commission Implementing Regulation (EU) 2016/900 of 8 June 2016 / Corrigendum in OJ L 303 10.11.2016, p. 26</td>
<td>OJ L 152</td>
<td>29.06.2016</td>
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<td>4d210</td>
<td>Benzoic acid (Holder of the authorisation DSM Nutritional Products Ltd) [Pigs for fattening]</td>
<td>Commission Implementing Regulation (EU) 2018/1550 of 16 October 2018</td>
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<td>4d210</td>
<td>Benzoic acid (VevoVitall) (Holder of the authorisation DSM Nutritional Products Sp. z. o. o.) [Minor porcine species for fattening and for reproduction]</td>
<td>Commission Implementing Regulation (EU) 2018/983 of 11 July 2018</td>
<td>OJ L 176</td>
<td>01.08.2018</td>
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<td>Potassium diformate (Formi LHS) (Holder of the authorisation ADDCON) [Sows]</td>
<td>Reg (EU) No 104/2010 of 5 February 2010 / Amended by Commission Implementing Regulation (EU) 2017/140 of 8 March 2017</td>
<td>OJ L 35, 06.02.2010, p. 4</td>
<td>26.02.2010</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>4d1703</td>
<td>Saccharomyces cerevisiae CNCM I-1079 (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Chickens for fattening; Minor poultry species for fattening]</td>
<td>Commission Implementing Regulation (EU) 2017/1905 of 18 October 2017</td>
<td>OJ L 269, 19.10.2017, p. 30</td>
<td>08.11.2017</td>
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<td>4d1712</td>
<td>Pediococcus acidilactici CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [All fish other than salmonids]</td>
<td>Commission Implementing Regulation (EU) No 95/2013 of 1 February 2013 / Amended by Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016</td>
<td>OJ L 33, 02.02.2013, p. 19</td>
<td>22.02.2013</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Coccidiostats and histomonostats</td>
<td>51701</td>
<td>Monensin sodium (Coxidin; carrier Perlite, Calcium Carbonate) (Holder of the authorisation Huvepharma NV Belgium) [Chickens reared for laying]</td>
<td>Commission Implementing Regulation (EU) No 140/2012 of 17 February 2012</td>
<td>OJ L 47, 18.02.2012, p. 18</td>
<td>09.03.2012</td>
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<td>Monensin sodium (Coxidin; carrier Perlite, Wheat bran) (Holder of the authorisation Huvepharma NV Belgium) [Chickens for fattening; Turkeys]</td>
<td>Reg (EC) No 109/2007 / Corrigendum in OJ L 37, 09.02.2007, p. 9</td>
<td>OJ L 37, 09.02.2007, p. 6</td>
<td>06.02.2007</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>5</td>
<td>Coccidiostats and other medicinal substances</td>
<td>51766</td>
<td>Salinomycin sodium 120 g/kg (Sacox 120 microGranulate) (Holder of the authorisation Huvepharma NV) [Chickens for fattening; Chickens reared for laying]</td>
<td>Commission Implementing Regulation (EU) 2017/1914 of 19 October 2017</td>
<td>OJ L 274, 20.10.2017, p. 1</td>
<td>09.11.2017</td>
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<td>Coccidiostats and histomonostats</td>
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<td>51771</td>
<td>Diclazuril 0,5 g/100 g (Clinacox 0,5 %) (Holder of the authorisation Elanco GmbH) [Chickens reared for laying]</td>
<td>Commission Implementing Regulation (EU) No 667/2013 of 12 July 2013 / Amended by Commission Implementing Regulation (EU) 2019/138</td>
<td>OJ L 192, 13.07.2003, p. 35</td>
<td>02.08.2013</td>
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<td>5</td>
<td>Coccidiostats and histomonostats</td>
<td>5 1 772</td>
<td>5 1 772</td>
<td>Narasin 80 g/kg – Nicarbazin 80 g/kg (Maxiban G160) (Holder of the authorisation Elanco GmbH) [Chickens for fattening]</td>
<td>REG. (EU) No 885/2010 of 7 October 2010 / amended by Commission Implementing Regulation (EU) 2018/1957 of 11 December 2018</td>
<td>OJ L 265, 08.10.2010, p. 5</td>
<td>28.10.2010</td>
<td>Following the provisions of Art. 14 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
<td>08.10.10</td>
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<td>Coccidiostats and histomonostats</td>
<td>5 1 774</td>
<td>5 1 774</td>
<td>Nicarbazin 250 g/kg CAS number: 330-95-0 (Holder of the authorisation Phibro Animal Health SA Belgium) [Chickens for fattening]</td>
<td>REG. (EU) No 875/2010 of 5 October 2010</td>
<td>OJ L 263, 06.10.2010, p. 4</td>
<td>26.10.2010</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
<td>06.10.10</td>
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<td>Coccidiostats and histomonostats</td>
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<td>51775</td>
<td>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]</td>
<td>Commission Implementing Regulation (EU) 2015/46 of 14 January 2015</td>
<td>OJ L 9, 15.01.2015, p. 5</td>
<td>04.02.2014</td>
<td>04.02.2024</td>
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<td>Coccidiostats and histomonostats</td>
<td>51775</td>
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<td>Diclazuril 0,5 g/100 g (Coxiril) (Holder of the authorisation Huvepharma NV.) [Rabbits]</td>
<td>Commission Implementing Regulation (EU) 2015/1417 of 20 August 2015</td>
<td>OJ L 220, 21.08.2015, p. 15</td>
<td>10.09.2015</td>
<td>10.09.2025</td>
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<td>11</td>
<td>Preparation of endo-1,4-beta-glucanase / EC 3.2.1.4, endo-1,3(4)-beta-glucanase / EC 3.2.1.6 and endo-1,4-beta-xylosidase / EC 3.2.1.8 produced by Trichoderma longibrachiatum (ATCC 74 252) [Ducks]</td>
<td>Reg. (EC) No 1811/2005 / Amended by article 3 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014</td>
<td>OJ L 291, 05.11.2005, p. 12</td>
<td>Amended by OJ L 301, 21.10.2014, p. 19</td>
<td>25.11.2005</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Enzymes</td>
<td>28</td>
<td>3-Phytase / EC 3.1.3.8 produced by Trichoderma reesei (CBS 528.94) [Turkeys for fattening; Sows]</td>
<td>Reg. (EC) No 358/2005</td>
<td>OJ L 57, 03.03.2005, p. 3</td>
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<td>E 1603</td>
<td>Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by Aspergillus aculeatus (CBS 589.94) [Piglets (Weaned)]</td>
<td>Reg. (EC) No 1811/2005 / Amended by article 3 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014</td>
<td>OJ L 299, 05.11.2005, p. 12</td>
<td>25.11.2005</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by Aspergillus aculeatus (CBS 589.94) [Chickens for fattening]</td>
<td>Reg. (EC) No 1259/2004</td>
<td>OJ L 239, 09.07.2004, p. 8</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Preparation of endo-1,4-beta-xylanase produced by Aspergillus oryzae (DSM 10287) [Chickens for fattening; Turkeys for fattening; Piglets]</td>
<td>Reg. (EC) No 1332/2004</td>
<td>OJ L 247, 21.07.2004, p. 8</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>E 1612</td>
<td>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-amylose / EC 3.2.1.1 produced by Aspergillus oryzae (ATCC 66222) [Piglets (Weaned)]</td>
<td>Reg. (EC) No 1453/2004</td>
<td>OJ L 269, 17.08.2004, p. 3</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>E 1613</td>
<td>Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by Trichoderma longibrachiatum (CNMC MA 6-10 W) [Laying hens]</td>
<td>Reg. (EC) No 1810/2005</td>
<td>OJ L 299, 05.11.2005, p. 5</td>
<td>25.11.2005</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by Trichoderma longibrachiatum (CNMC MA 6-10 W) [Turkeys for fattening]</td>
<td>Reg. (EC) No 943/2005</td>
<td>OJ L 159, 22.06.2005, p. 6</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>Reg. (EC) No 1453/2004</td>
<td>OJ L 269, 17.08.2004, p. 3</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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<td>22</td>
<td>Enterococcus faecium (DSM 7134) [Chickens for fattening]</td>
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<td>Reg. (EC) No 521/2005 / Amended by Reg. (EC) No 221/2011 of 4 March 2011</td>
<td>OJ L 84, 02.04.2005, p. 3 / Amended by OJ L 60, 06.03.2011, p. 3</td>
<td>-</td>
<td>Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted</td>
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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:

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