

European Union

# Register of Feed Additives

pursuant to Regulation (EC) No 1831/2003

## Appendix 3e. List of modifications to the Register, versions 1-199



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

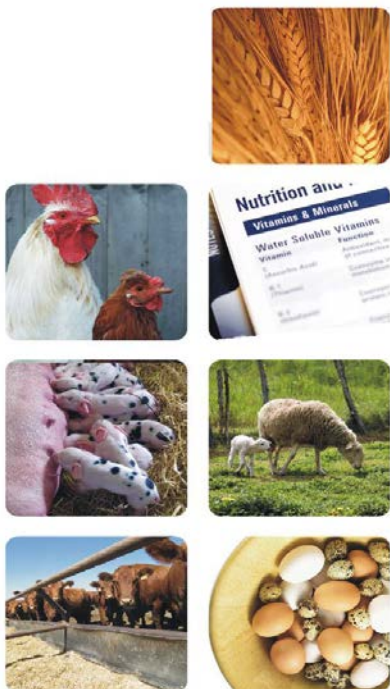
Appendix 3e. List of modifications to the Register, versions 1-199

(Released 7 November 2014)

HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Directorate G - Veterinary and International affairs

Unit G1 – Feed



Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

## Appendix 3e: List of modifications to the Register, versions 1-199.

**199<sup>th</sup> Edition:** published on 29 October 2014

### Addition

- 4; a; Digestibility enhancers; 4a1604i; Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by *Talaromyces versatilis* sp. nov. IMI CC 378536 (holder of authorisation Adisseo France S.A.S.) [Sows]; Commission Implementing Regulation (EU) No 1138/2014 of 27 October 2014 in OJ L 307, 27.10.2014, p. 30

**198<sup>th</sup> Edition:** published on 24 October 2014

### Addition

- 1; m; Substances for the reduction of the contamination of feed by mycotoxins (fumonisins); 1m03; Fumonisin esterase EC 3.1.1.87 produced by *Komagataella pastoris* DSM 26643 [Pigs]; Commission Implementing Regulation (EU) No 1115/2014 of 21 October 2014 in OJ L 302, 22.10.2014, p. 51

**197<sup>th</sup> Edition:** published on 21 October 2014

### Addition

- 4; b; Gut flora stabiliser; 4a1704; *Saccharomyces cerevisiae* CBS 493.94 (holder of authorisation Alltech France) [Dairy cows and minor dairy ruminant species; Dairy cows and minor dairy ruminant species]; Commission Implementing Regulation (EU) No 1109/2014 of 20 October 2014 in OJ L 301, 21.10.2014, p. 19
- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* FERM BP-2789 (holder of authorisation Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.) [Turkeys for fattening; Turkeys reared for breeding ]; Commission Implementing Regulation (EU) No 1108/2014 of 20 October 2014 in OJ L 301, 21.10.2014, p. 16
- 4; b; Gut flora stabilisers; 4b1841; *Enterococcus faecium* DSM 7134 (Bonvital) (Holder of the authorisation Lactosan Starterkulturen GmbH & Co KG) [Sows]; Commission Implementing Regulation (EU) No 1083/2014 of 15 October 2014 in OJ L 298, 16.10.2014, p. 5

### Deletion

- 4; b; Gut flora stabilisers; 4b1841; *Enterococcus faecium* DSM 7134 (Bonvital) (Holder of the authorisation Lactosan Starterkulturen GmbH & Co KG) [Sows]; Reg. (EC) No 1521/2007 of 19 december 2007; OJ L 335, 20.12.2007, p. 24  
Replaced by Commission Implementing Regulation (EU) No 1083/2014 of 15 October 2014
- Micro-organisms; E 1704; *Saccharomyces cerevisiae* CBS 493.94 [Calves; ~~Cattle for fattening~~]; Reg. (EC) No 1811/2005 Amended by OJ L 301, 21.10.2014, p. 19  
Replaced by 4a1704  
Transitional measures in article 4 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014
- Micro-organisms; E 1704; *Saccharomyces cerevisiae* CBS 493.94 [Dairy cows]; Reg. (EC) No 1811/2005 Amended by OJ L 301, 21.10.2014, p. 19  
Replaced by 4a1704  
Transitional measures in article 4 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014

## 196<sup>th</sup> Edition: published on 15 October 2014

### Addition

- 2; b; Flavourings compounds; 2b0001; Smoke flavouring extract-[Dogs and cats]; Commission Implementing Regulation (EU) No 1076/2014 of 13 October 2014; OJ L 296, 14.10.2010, p. 19

### Amendment

- 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 is amended by Commission Implementing Regulation (EU) No 1070/2014 of 10 October 2014 in OJ L 295, 11.10.2014, p. 49

## 195<sup>th</sup> Edition: published on 1 October 2014

### Corrections

- Some typos and incorrect links to the OJ corrected.

## 194<sup>th</sup> Edition: published on 26 September 2014

### Amendments

- 4; d; Other zootechnical additives; 4d210; Benzoic acid (VevoVital) (holder of the authorisation ~~Emerald Kalama Chemical BV~~ DSM Nutritional Products Ltd) [Piglets (Weaned)]; Reg. (EC) No 1730/2006 of 23 November 2006 / Amended by Commission Implementing Regulation (EU) No No 863/2014 of 7 August 2014
- 4; d; Other zootechnical additives; 4d210; Benzoic acid (VevoVital) (holder of the authorisation ~~Emerald Kalama Chemical BV~~ DSM Nutritional Products Ltd) [Pigs for fattening]; Reg. (EC) No 1138/2007 of 1 October 2007/ Amended by Commission Implementing Regulation (EU) No No 863/2014 of 7 August 2014
- 4; d; Other zootechnical additives; 4d 5; Sodium benzoate (holder of the authorisation ~~Kemira Oyj~~ Taminco Finland Oy) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 496/2011 of 20 May 2011 / Amended by Commission Implementing Regulation (EU) No 862/2014 of 7 August 2014 in O.J. L 235 of 08.08.2014, p. 12

### Corrigendum

- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a842; D-panthenol  
*Corrigendum* in OJ L 281 of 25.09.2014 p. 9
- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a841; Calcium-D-pantothenate;  
*Corrigendum* in OJ L 281 of 25.09.2014 p. 9
- 3; d; Urea and its derivatives; 3d1; Urea [Ruminants with a functional rumen]  
*Corrigendum* in OJ L 11 of 16.01.2014 p. 11

Deletions:

In annex I

- 1; k; 3- Substances; E 240; Formaldehyde [All species or categories of Animals]  
Moved to annex II
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 5756-24-1 / Dimethyl tetrasulfide / Flavis No. 12.116  
Moved to annex II

**193<sup>rd</sup> Edition:** published on 3 September 2014

Additions:

- 1; k; Silage additives; 1k20748; *Lactobacillus paracasei* NCIMB 30151; Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014 in OJ L 232, 05.08.2014, p. 16
- 1; k; Silage additives; 1k20749; *Lactobacillus plantarum* DSMZ 16627; Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014 in OJ L 232, 05.08.2014, p. 16
- 1; k; Silage additives; 1k21013; *Pediococcus acidilactici* NCIMB 30005; Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014; OJ L 232, 05.08.2014, p. 16
- 3; b; Compounds of trace elements; 3b816; DL-selenomethionine; Commission Implementing Regulation (EU) No 847/2014 of 4 August 2014 in OJ L 232, 05.08.2014, p. 10
- 3; c; Amino acids, their salts and analogues; 3c305; L-methionine produced by fermentation with *Escherichia coli* (KCCM 11252P and KCCM 11340P); Commission Implementing Regulation (EU) No 852/2014 of 5 August 2014 in OJ L 233, 06.08.2014, p. 22
- 3; c; Amino acids, their salts and analogues; 3c370; L-valine with a purity of at least of 98 % (on dry matter) produced by *Corynebacterium glutamicum* (KCCM 80058); Commission Implementing Regulation (EU) No 848/2014 of 4 August 2014 in OJ L 232, 05.08.2014, p. 14

Amendment:

- 3; c; Amino acids, their salts and analogues; 3c3.7.1.; L-valine with a purity of at least of 98 % (on dry matter) produced by *Escherichia coli* (K-12 AG314) FERM ABP-10640; Reg (EC) No 403/2009 of 14 May 2009 is Amended by Commission Implementing Regulation (EU) No 848/2014 of 4 August 2014 in OJ L 232, 05.08.2014, p. 14

Deletions:

- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 411; Tamarind seed flour  
Moved to annex II
- 1; k; 2 – Microorganisms; *Lactobacillus paracasei* 30151; Reg. (EC) 1831/2003; OJ L 268, 18.10.2003, p. 29  
Replaced by 1k20748  
Transitional measures in Article 2 of Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014
- 1; k; 2 – Microorganisms; *Lactobacillus paracasei* NCIMB 30151; Reg. (EC) 1831/2003; OJ L 268, 18.10.2003, p. 29  
Replaced by 1k20748  
Transitional measures in Article 2 of Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014

- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* 16627; Reg. (EC) 1831/2003; OJ L 268, 18.10.2003, p. 29  
Replaced by 1k20749  
Transitional measures in Article 2 of Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* 30005; Reg. (EC) 1831/2003; OJ L 268, 18.10.2003, p. 29  
Replaced by 1k21013  
Transitional measures in Article 2 of Commission Implementing Regulation (EU) No 849/2014 of 4 August 2014
- Enzymes; E 1625; Preparation of endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Trichoderma longibrachiatum* (ATCC 2106), endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (IMI SD 135), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553) and polygalacturonase / EC 3.2.1.15 produced by *Aspergillus aculeatus* (CBS 589.94) [Piglets (Weaned)]  
Moved to annex II
- In Annex II.  
All silage additives of annex II subject to Commission Implementing Regulation (EU) No 451/2012 of 29 May 2012, according to the provisions of Art. 2 thereof.  
"1. Existing stocks of the feed additives set out in Part A of the Annex may continue to be placed on the market and used as feed additives belonging to the functional group 'silage additives' within the category 'technological additives' until 19 June 2013.  
2. Premixtures produced with the additives referred to in paragraph 1 may continue to be placed on the market and used until 19 June 2013.  
3. Silage produced with the additives referred to in paragraph 1 or with the premixtures referred to in paragraph 2 may continue to be placed on the market and used until 19 June 2014.  
4. As regards the feed additive set out in Part B of the Annex, paragraphs 1, 2 and 3 shall apply in respect of the species of animals mentioned in that Part of the Annex."

## 192<sup>nd</sup> Edition: published on 18 July 2014

### Corrigendum

- 3; b; Compounds of trace elements; 3b815; L-selenomethionine; Commission Implementing Regulation (EU) No 121/2014 of 7 February 2014 / *Corrigendum* ES in OJ L212 ES, 18.07.2014, p. 48

### Deletions:

- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* NCIMB 30068; Commission Implementing Regulation (EU) No 754/2014 of 11 July 2014  
Authorisation denied.  
Transitional measures in article 2
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* NCIMB 30044 (= *Lactococcus lactis* NCIMB 30044); Commission Implementing Regulation (EU) No 754/2014 of 11 July 2014  
Authorisation denied.  
Transitional measures in article 2

## 191<sup>st</sup> Edition: published on 11 July 2014

### Corrections

- 5; Coccidiostats and other medicinal substances; E 766; Salinomycin sodium 120 g/kg (Salinomax 120G) (holder of the authorisation Zoetis Belgium SA) [Chickens for fattening]; Reg. (EC) No 600/2005 OJ L 99, 19.04.2005, p. 5;  
Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 5; Coccidiostats and other medicinal substances; E 773; Semduramicin sodium (Aviax 5 %) (holder of the authorisation Phibro Animal Health, s.a.) [Chickens for fattening]; Reg. (EC) No 1443/2006 of 29 September 2006 in OJ L 271, 30.09.2006, p. 12;  
Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 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 in OJ L 270, 18.08.2004, p. 5;  
Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted

### Information

The article 14 § 1 of Regulation 1831-2003 foresees:

"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."

- 3; b; Compound of trace elements; 3b8.10; Organic form of Selenium produced by *Saccharomyces cerevisiae* CNCM I-3060 (Selenised yeast inactivated); Reg. (EC) No 1750/2006 of 27 November 2006; OJ L 330, 28.11.2006, p. 9  
Expiry date 18.12.2016; Subject to the provisions of Art. 14 § 1 of Reg. (EC) No 1831/2003
- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Calsporin) (holder of the authorisation Calpis Co., Ltd Represented in the Community by Orffa International Holding BV) [Chickens for fattening]; Reg. (EC) No 1444/2006 of 29 September 2006 in OJ L 271 in 30.09.2006, p. 19  
Expiry date 20.10.2016; Subject to the provisions of Art. 14 § 1 of Reg. (EC) No 1831/2003
- 4; b; Gut flora stabilisers; 4b1850; *Enterococcus faecium* DSM 3530 (Biomin IMB52) (holder of the authorisation Biomin GmbH) [Chickens for fattening]; Reg. (EC) No 1446/2006 of 29 September 2006 in OJ L 271, 30.09.2006, p. 25  
Expiry date 20.10.2016; Subject to the provisions of Art. 14 § 1 of Reg. (EC) No 1831/2003
- 4; d; Other zootechnical additives; 4d210; Benzoic acid (VevoVital) (holder of the authorisation Emerald Kalama Chemical BV) [Piglets (Weaned)]; Reg. (EC) No 1730/2006 of 23 November 2006 in OJ L 325, 24.11.2006, p. 9  
Expiry date 14.12.2016; Subject to the provisions of Art. 14 § 1 of Reg. (EC) No 1831/2003
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Lambs for fattening]; Reg. (EC) No 1447/2006 of 29 September 2006 in OJ L 271, 30.09.2006, p. 28  
Expiry date 20.10.2016; Subject to the provisions of Art. 14 § 1 of Reg. (EC) No 1831/2003



## **190<sup>th</sup> Edition:** published on 3 July 2014

### Corrigendum

- 1; k; Silage additives; ~~1k20736~~ 1k20744; *Lactobacillus brevis* (DSM 23231); Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014 / Corrigendum in OJ L 196 03.07.2014, p. 44
- 1; k; Silage additives; ~~1k20737~~ 1k20745; *Lactobacillus brevis* DSMZ 16680; Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014 / Corrigendum in OJ L 196 03.07.2014, p. 44
- 1; k; Silage additives; ~~1k20738~~ 1k20746; *Lactobacillus plantarum* CECT 4528 ; Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014 / Corrigendum in OJ L 196 03.07.2014, p. 44
- 1; k; Silage additives; ~~1k20739~~ 1k20747; *Lactobacillus fermentum* NCIMB 30169; Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014 / Corrigendum in OJ L 196 03.07.2014, p. 44

## **189<sup>th</sup> Edition:** published on 26 June 2014

### Deletions

- Enzymes; E 1628; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105) [Pigs for fattening]; Reg. (EC) No 1284/2006 of 29 August 2006  
Moved to Annex II
- Enzymes; E 1628; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105) [Piglets (Weaned)]; Reg. (EC) No 1443/2006 of 29 September 2006  
Moved to Annex II

## **188<sup>th</sup> Edition:** published on 23 June 2014

### Additions

- 4; d; Zootechnical additives; 4d161g; Canthaxanthin (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o ) [Breeder hens]; Commission Implementing Regulation (EU) No 684/2014 of 20 June 2014 in OJ L 182 21.06.2014, p. 20

## **187<sup>th</sup> Edition:** published on 20 June 2014

### Additions

- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a841; Calcium-D-pantothenate ; Commission Implementing Regulation (EU) No 669/2014 of 18 June 2014 in OJ L 179, 19.06.2014, p. 62
- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a842; D-panthenol; Commission Implementing Regulation (EU) No 669/2014 of 18 June 2014 in OJ L 179, 19.06.2014, p. 62

### Deletions

- 3; a; Vitamins and provitamins; Pantothenic acid / Calcium-D-pantothenate  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 669/2014 of 18 June 2014

- 3; a; Vitamins and provitamins; Pantothenic acid / D-panthenol  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 669/2014 of 18 June 2014

#### Corrections

- 1; k; 1 – Enzymes; Alpha-amylase EC 3.2.1.1 from *Aspergillus oryzae* CBS 585.94
- 1; k; 1 – Enzymes; Alpha-amylase EC 3.2.1.1 from *Aspergillus oryzae* DS114
- 1; k; 1 – Enzymes; Alpha-amylase EC 3.2.1.1 from *Bacillus amyloliquefaciens* DSM 9553
- 1; k; 1 – Enzymes; Alpha-amylase EC 3.2.1.1 from *Bacillus subtilis* DS098
- 1; k; 1 – Enzymes; Cellulase EC 3.2.1.4 from *Trichoderma longibrachiatum* ATCC PTA-10001

### 186<sup>th</sup> Edition: published on 12 June 2014

#### Corrections

- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* NCIMB 30044 (= *Lactococcus lactis lactis* NCIMB 30044)
- 5; Coccidiostats and other medicinal substances; E 757; Monensin sodium (Elancoban G100 – Elancoban 100 – Elancogran 100 – Elancoban G200 – Elancoban 200) (holder of the authorisation Eli Lilly and Company Limited) [Chickens for fattening; Chickens reared for laying; Turkeys]  
Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.
- 5; Coccidiostats and other medicinal substances; E 765; Narasin 100 g/kg (Monteban – Monteban G 100) (holder of the authorisation Eli Lilly and Company Limited) [Chickens for fattening]  
Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.

### 185<sup>th</sup> Edition: published on 12 May 2014

#### Additions

- 1; k; Silage additives; 1k20736; *Lactobacillus brevis* DSM 23231; Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014; OJ L 119, 22.04.2014, p. 40
- 1; k; Silage additives; 1k20737; *Lactobacillus brevis* DSMZ 16680; Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014; OJ L 119, 22.04.2014, p. 40
- 1; k; Silage additives; 1k20738; *Lactobacillus plantarum* CECT 4528 ; Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014; OJ L 119, 22.04.2014, p. 40
- 1; k; Silage additives; 1k20739; *Lactobacillus fermentum* NCIMB 30169; Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014; OJ L 119, 22.04.2014, p. 40

#### Deletion

- 1; k; 2 – Microorganisms; *Lactobacillus brevis* IFA 92 (= *Lactobacillus brevis* DSM 23231)  
Replaced by 1k20736  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014

- 1; k; 2 – Microorganisms; *Lactobacillus cellobiosus* Q1 (= *Lactobacillus fermentum* NCIMB 30169)  
Replaced by 1k20739  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014
- 1; k; 2 – Microorganisms; *Lactobacillus collinoides* DSMZ 16680 (= *Lactobacillus brevis* DSMZ 16680)  
Replaced by 1k20737  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* PL14D/CSL (= *Lactobacillus plantarum* CECT 4528)  
Replaced by 1k20738  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 399/2014 of 22 April 2014
- Enzymes; E 1636; Preparation of endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (CBS 526.94 / EC 3.2.1.6) [Chickens for fattening]; Reg. (EC) No 2036/2005 of 14 December 2005 / Corrigendum CS in OJ L 143 of 3 June 2008; OJ L 328, 15.12.2005, p. 13 / Corrigendum CS in OJ L 143, 03.06.2008, p. 55  
Moved to Annex II
- Enzymes; E 1636; Preparation of endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (CBS 526.94 / EC 3.2.1.6) [Piglets (weaned)]; Reg. (EC) No 1270/2009 of 21 December 2009; OJ L 339, 22.12.2009, p. 28  
Moved to Annex II

#### Corrections:

- 2; b; natural products – botanically defined; *Mentha arvensis* L.: Mentha arvensis oil CAS 68917-18-0 CoE 492 EINECS 290-058-5 / ~~Cornmint~~
- 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 / Grape skin extract CoE 485 / Grape seed extract CoE 485
- 5; Coccidiostats and histomonostats; E 763; Lasalocid A sodium 15 g/100g (Avatec 15 % cc; Avatec 150 G) (holder of the authorisation Zoetis Belgium SA) [Chickens for fattening; Chickens reared for laying]; Reg. (EC) No 1455/2004 in OJ L 269, 17.08.2004, p14; Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted
- 5; Coccidiostats and other medicinal substances; E 756; Decoquinat – 60,6 g/kg (Deccox) (holder of the authorisation Zoetis Belgium SA) [Chickens for fattening]; Reg. (EC) No 1289/2004; OJ L 243, 15.07.2004, p. 15; Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.
- 5; Coccidiostats and other medicinal substances; E 758; Robenidine hydrochloride 66 g/kg (Robenz 66 G) (holder of the authorisation Zoetis Belgium SA) [Chickens for fattening; Turkeys]; Reg. (EC) No 1800/2004; OJ L 317, 16.10.2004, p. 37; Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted.

Additions:

- 4; a; Digestibility enhancers; 4a1604i; Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by *Talaromyces versatilis* sp. nov. IMI CC 378536 (holder of authorisation Adisseo France S.A.S.) [All poultry species; Piglets (weaned); Pigs for fattening]; Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014; OJ L 87, 22.03.2014, p. 84
- 4; a; Digestibility enhancers; 4a19; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 126897) (holder of authorisation Roal Oy) [Poultry other than laying birds; Laying birds; Weaned piglets; Pigs for fattening and sows ]; Commission Implementing Regulation (EU) No 292/2014 of 21 March 2014 in OJ L 87, 22.03.2014, p. 90
- 4; a; Digestibility enhancers; 4a20; Preparation of endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (CBS 126896) (holder of authorisation Roal Oy) [Chickens for fattening; Piglets (weaned) ]; Commission Implementing Regulation (EU) No 302/2014 of 25 March 2014 in OJ L 90, 26.03.2014, p. 4
- 1; k; Silage additives; 1k20601; *Enterococcus faecium* NCIMB 10415 [All animal species]; Commission Implementing Regulation (EU) No 304/2014 of 25 March 2014 in OJ L 90, 26.03.2014, p. 8
- 1; k; Silage additives; 1k20602; *Enterococcus faecium* DSM 22502 [All animal species]; Commission Implementing Regulation (EU) No 304/2014 of 25 March 2014 in OJ L 90, 26.03.2014, p. 8
- 1; k; Silage additives; 1k21009; *Pediococcus acidilactici* CNCM I-3237 [All animal species]; Commission Implementing Regulation (EU) No 304/2014 of 25 March 2014 in OJ L 90, 26.03.2014, p. 8
- 1; k; Silage additives; 1k280; Propionic acid [All animal species other than ruminants, pigs and poultry]; Commission Implementing Regulation (EU) No 305/2014 of 25 March 2014 in OJ L 90, 26.03.2014, p. 12
- 1; k; Silage additives; 1k281; Sodium propionate [All animal species other than ruminants, pigs and poultry]; Commission Implementing Regulation (EU) No 305/2014 of 25 March 2014
- 1; k; Silage additives; 1k284; Ammonium propionate [All animal species other than ruminants, pigs and poultry]; Commission Implementing Regulation (EU) No 305/2014 of 25 March 2014 in OJ L 90, 26.03.2014, p. 12

Amendments with deletions:

- Enzymes; E 1604; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Penicillium funiculosum* (IMI SD 101) (now *Talaromyces versatilis* sp. nov. IMI CC 378536) [Laying hens; Turkeys for fattening]; Reg. (EC) No 943/2005 is amended by Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014 in OJ L 87, 22.03.2014, p. 84;  
Transitional measures in Article 6 of Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014  
Replaced by 4a1604i
- Enzymes; E 1604; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Penicillium funiculosum* (IMI SD 101) (now *Talaromyces versatilis* sp. nov. IMI CC 378536) [Pigs for fattening]; Reg. (EC) No 1206/2005 is amended by Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014 in OJ L 87, 22.03.2014, p. 84;  
Transitional measures in Article 6 of Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014  
Replaced by 4a1604i

- Enzymes; E 1604; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Penicillium funiculosum* (IMI SD 101) (now *Talaromyces versatilis* sp. nov. IMI CC 378536) [Chickens for fattening]; Reg. (EC) No 1259/2004 is amended by Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014 in OJ L 87, 22.03.2014, p. 84-;  
Transitional measures in Article 6 of Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014  
Replaced by 4a1604i
- Enzymes; E 1604; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Penicillium funiculosum* (IMI SD 101) (now *Talaromyces versatilis* sp. nov. IMI CC 378536) [Ducks for fattening; Piglets (weaned)]; Reg. (EC) No 322/2009 of 20.04.2009 is amended by Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014 in OJ L 87, 22.03.2014, p. 84  
Transitional measures in Article 6 of Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014  
Replaced by 4a1604i
- 1; k; 2 – Microorganisms; *Enterococcus faecium* NCIMB 10415; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29  
Transitional measures in Article 2 of Commission Implementing Regulation (EU) No 304/2014 of 25 March 2014  
Replaced by 1k20601
- 1; k; 2 – Microorganisms; *Enterococcus faecium* NCIMB 11181 (now DSM 22502); Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 304/2014 of 25 March 2014  
Replaced by 1k20602
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* CNCM I-3237 / ATCC 8042; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29  
Transitional measures in Article 6 of Commission Implementing Regulation (EU) No 290/2014 of 21 March 2014  
Replaced by 1k21009

Amendment:

- 5; Coccidiostats and other medicinal substances; E 756; Decoquinat – 60,6 g/kg (Deccox) (holder of the authorisation Zoetis Belgium SA) [Chickens for fattening]; Reg. (EC) No 1289/2004 is Amended by Commission Implementing Regulation (EU) No 291/2014 of 21 March 2014 in OJ L 87, 22.03.2014, p. 87

**183<sup>rd</sup> Edition:** published on 10 March 2014

Corrigenda:

- 3; b; Compound of trace elements; 3b611; Zinc chelate of methionine (1:2) [All species]; Commission implementing regulation. (EU) No 636/2013 of 1 July 2013 / *Corrigenda in OJ L55* (DE, HU, HR, BG, LV & FI) of 22.02.2014, p. 23

**182<sup>nd</sup> Edition:** published on 12 February 2014

Additions:

- 3; b; Compound of trace elements; 3b304 ; Coated granulated **cobalt(II)** carbonate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]; Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 in OJ L 41, 12.02.2014, p. 3
- 3; b; Compounds of trace elements; 3b815; L-selenomethionine; Commission Implementing Regulation (EU) No 121/2014 of 7 February 2014 in OJ L 39, 08.02.2014, p. 53

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Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- 3; c; Amino acids, their salts and analogues; 3c401; L-tyrosine; Commission Implementing Regulation (EU) No 101/2014 of 4 February 2014 in OJ L 34, 05.02.2014, p. 1

Deletions:  
In Annex I

- 3; b; Compound of trace elements; 3b804 ; Coated granulated **cobalt(II)** carbonate hydroxide (2:3) monohydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]; Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013 / Amended by Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014 in OJ L 41, 12.02.2014, p. 3  
Replaced by 3b304  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014

In Annex II

- 3; b; Trace elements; E 3; **Cobalt - Co**, Cobaltous chloride, hexahydrate; Reg. (EC) No 1334/2003 in OJ L 187, 26.07.2003, p. 11  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 107/2014 of 5 February 2014
- 3; b; Trace elements; E 3; **Cobalt - Co**, Cobaltous nitrate, hexahydrate; Reg. (EC) No 1334/2003 in OJ L 187, 26.07.2003, p. 11  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 107/2014 of 5 February 2014
- 3; b; Trace elements; E 3; **Cobalt - Co**, Cobaltous sulphate, monohydrate; Reg. (EC) No 1334/2003 in OJ L 187, 26.07.2003, p. 11  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 107/2014 of 5 February 2014

Amendments:

- Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013 is Amended by Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014  
3; b; Compound of trace elements; ~~3b801~~ 3b301; **Cobalt(II)** acetate tetrahydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]  
3; b; Compound of trace elements; ~~3b802~~ 3b302; **Cobalt(II)** carbonate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]  
3; b; Compound of trace elements; ~~3b803~~ 3b303; **Cobalt(II)** carbonate hydroxide (2:3) monohydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]  
3; b; Compound of trace elements; ~~3b805~~ 3b305; **Cobalt(II)** sulphate, heptahydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]
- Regulation (EC) No 1334/2003 is Amended by Commission Implementing Regulation (EU) No 107/2014 of 5 February 2014 and Commission Implementing Regulation (EU) No 131/2014 of 11 February 2014, In the Annex of Reg 1334/2003, the entries ‘cobaltous chloride hexahydrate’, ‘cobaltous nitrate hexahydrate’ and ‘cobaltous sulphate monohydrate’, related to the element E3 Cobalt-Co, are deleted.

Correction:

- 3; b; Compound of trace elements; 3b4.10; Copper chelate of hydroxy analogue of methionine [All species]
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (holder of authorisation Lallemand SAS) [Piglets (weaned) (drinking water); Pigs for fattening (drinking water); Laying hens (drinking water); Chickens for fattening (drinking water)]

**181<sup>st</sup> Edition:** published on 3 February 2014

Additions:

- 1; k; Silage additives; 1k1009; *Pediococcus pentosaceus* DSM 14021; Commission Implementing Regulation (EU) No 84/2014 of 30 January 2014 in OJ L 208, 31.01.2014, p. 30
- 1; k; Silage additives; 1k1010; *Pediococcus pentosaceus* DSM 23688 (Formerly *Pediococcus acidilactici* 33-11 NCIMB 30085); Commission Implementing Regulation (EU) No 84/2014 of 30 January 2014 in OJ L 208, 31.01.2014, p. 30
- 1; k; Silage additives; 1k1011; *Pediococcus pentosaceus* DSM 23689 (Formerly *Pediococcus acidilactici* 33-06 NCIMB 30086); Commission Implementing Regulation (EU) No 84/2014 of 30 January 2014 in OJ L 208, 31.01.2014, p. 30

Deletions:

- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* DSM 14021  
Replaced by 1k1009. Transitional measures in Article 2 of Commission Implementing Regulation (EU) No 84/2014 of 30 January 2014
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* 33-11 NCIMB 30085  
Replaced by 1k1010. Transitional measures in Article 2 of Commission Implementing Regulation (EU) No 84/2014 of 30 January 2014
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* 33-06 NCIMB 30086  
Replaced by 1k1011. Transitional measures in Article 2 of Commission Implementing Regulation (EU) No 84/2014 of 30 January 2014

Correction:

- 2; b; natural products – botanically defined; *Ginkgo biloba* L.: Ginkgo extract / Ginkgo tincture [All species]

**180<sup>th</sup> Edition:** published on 16 January 2014

Corrigenda:

- 1; g; Binders; 1m558i; Bentonite [All animal species]; *Corrigendum* SL OJ L10, 15.01.2014, p. 32
- 1; h; Substances for control of radionuclide contamination (<sup>134/137</sup>Cs); 1m558i; Bentonite [All animal species]; *Corrigendum* SL OJ L10, 15.01.2014, p. 32
- 1; i; Anticaking agents; 1m558i; Bentonite [All animal species]; *Corrigendum* SL OJ L10, 15.01.2014, p. 32
- 1; m; Substances for reduction of the contamination of feed by mycotoxins (aflatoxin B1); 1m558; Bentonite [Ruminants, Poultry, Pigs]; *Corrigendum* SL OJ L10, 15.01.2014, p. 32

**179<sup>th</sup> Edition:** published on 6 January 2014

Addition:

- 4; a; Digestibility enhancers; 4a7; Preparation of endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) and endo-1,4-beta-glucanase produced by *Aspergillus niger* (DSM 18404) (holder of the authorisation BASF SE) [Pigs for fattening]; Commission Implementing Regulation (EU) No 1404/2013 of 20 December 2013 in OJ L 349, 21.12.2013, p. 88

**178<sup>th</sup> Edition:** published on 19 December 2013

Addition:

- 4; a; Digestibility enhancers; 4a17; Preparation of alpha-galactosidase (EC 3.2.1.22) produced by *Saccharomyces cerevisiae* (CBS 615.94) and endo-1,4-beta-glucanase (EC 3.2.1.4) produced by *Aspergillus niger* (CBS 120604), solid form, (holder of the authorisation Kerry Ingredients and Flavours) [Minor poultry species for fattening; Chickens reared for laying]; Commission Implementing Regulation (EU) No 1365/2013 of 18 December 2013 in OJ L 343, 19.12.2013, p. 31

**177<sup>th</sup> Edition:** published on 16 December 2013

Amendment:

- 4; d; Other zootechnical additives; 4d2; Preparation of *Lactobacillus rhamnosus* (CNCM-I-3698) and *Lactobacillus farciminis* (CNCM-I-3699) (~~Sorbiflore~~) (holder of the authorisation ~~Danisco France SAS~~ Danisco (UK) Ltd) [Piglets]; Reg. (EC) No 1290/2008 of 18 December 2008 is amended by Commission Implementing Regulation (EU) No 1334/2013 of 13 December 2013 (+ transitional measures in Article 2) in OJ L 335, 14.12.2013, p. 12

**176<sup>th</sup> Edition:** published on 2 December 2013

Additions:

- 1; k; Silage additives; 1k280; Propionic acid [Ruminants; pigs; poultry]; Commission Implementing Regulation (EU) No 1222/2013 of 29 November 2013 in OJ L 320, 30.11.2013, p. 16
- 1; k; Silage additives; 1k281; Sodium propionate [Ruminants; pigs; poultry]; Commission Implementing Regulation (EU) No 1222/2013 of 29 November 2013 in OJ L 320, 30.11.2013, p. 16
- 1; k; Silage additives; 1k284; Ammonium propionate [Ruminants; pigs; poultry]; Commission Implementing Regulation (EU) No 1222/2013 of 29 November 2013 in OJ L 320, 30.11.2013, p. 16

Correction:

- 1; Binders, anti-caking agents and coagulants; E 559; Kaolinitic clays, free of asbestos
- 1; Binders, anti-caking agents and coagulants; E 560; Natural mixtures of steatites and chlorite
- 1; Binders, anti-caking agents and coagulants; E 561; Vermiculite
- 2; b; natural products – botanically defined; *Boswellia serrata* Roxb. ex Colebr.: Olibanum extract [All animal species]



**175<sup>th</sup> Edition:** published on 19 November 2013

Important information:

- Due to the increasing number of pages, the Annex II is now in a separate file on page:  
[http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

**174<sup>th</sup> Edition:** published on 13 November 2013

Additions:

- 1; a; Preservatives; 1a297; Fumaric acid [Poultry and pigs; Young animals fed with milk replacers; Other animal species]; Commission Implementing Regulation (EU) No 1078/2013 of 31 October 2013 in OJ L 292, 01.11.2013, p.7
- 4; b; Gut flora stabilisers; 4b1891; *Enterococcus faecium* NBIMCC 8270; *Lactobacillus acidophilus* NBIMCC 8242, *Lactobacillus helveticus* NBIMCC 8269, *Lactobacillus delbrueckii ssp. lactis* NBIMCC 8250, *Lactobacillus delbrueckii ssp. bulgaricus* NBIMCC 8244, and *Streptococcus thermophilus* NBIMCC 8253 (Holder of the authorisation Lactina Ltd) [Suckling piglets]; Commission Implementing Regulation (EU) No 1077/2013 of 31 October 2013 in OJ L 292, 01.11.2013, p. 3

Deletions:

- 1; a; Preservatives; E 297; Fumaric acid  
Replaced by 1a297  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1078/2013 of 31 October 2013

**173<sup>rd</sup> Edition:** published on 7 November 2013  
(10<sup>th</sup> anniversary of entry in force of Regulation 1831/2003)

Additions:

- 1; k; Silage additives; 1k20738; *Lactobacillus buchneri* DSM 22501; Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 in OJ L 298, 8.11.2013, p. 29
- 1; k; Silage additives; 1k20739; *Lactobacillus buchneri* NCIMB 40788 /CNCM I-4323; Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 in OJ L 298, 8.11.2013, p. 29
- 1; k; Silage additives; 1k20740; *Lactobacillus buchneri* LN 40177/ATCC PTA-6138; Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 in OJ L 298, 8.11.2013, p. 29
- 1; k; Silage additives; 1k20741; *Lactobacillus buchneri* LN4637/ATCC PTA-2494; Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 in OJ L 298, 08.11.2013, p. 29
- 1; k; Silage additives; 1k20743; *Lactobacillus plantarum* NCIMB 40027; Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013 in OJ L 298, 8.11.2013, p. 29
- 4; b; Gut flora stabilisers; 4b1706; *Enterococcus faecium* DSM 7134, *Lactobacillus rhamnosus* DSM 7133 [Calves for rearing]; Commission Implementing Regulation (EU) No 1101/2013 of 6 November 2013 in OJ L 296, 07.11.2013, p. 1

#### Amendments:

- Regulation (EC) No 1288/2004 is amended by article 2 of Commission Implementing Regulation (EU) No 1101/2013 of 6 November 2013 in OJ L 296, 07.11.2013, p. 1

#### Deletions:

- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* 40177  
Replaced by 1k20740  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013
- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* LN4637 ATCC PTA-2494  
Replaced by 1k20741  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013
- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* NCIMB 40788  
Replaced by 1k20739  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* NCIMB 40027  
Replaced by 1k20743  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 1113/2013 of 7 November 2013
- Micro-organisms; E 1706; *Enterococcus faecium* DSM 7134, *Lactobacillus rhamnosus* DSM 7133 [Calves].  
Replaced by 4b1706  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 1101/2013 of 6 November 2013 in OJ L 296, 07.11.2013, p. 1

**172<sup>nd</sup> Edition:** published on 5 November 2013

#### Additions:

- 1; a; Preservatives; 1a338; Orthophosphoric acid; Commission Implementing Regulation (EU) No 1055/2013 of 25 October 2013 in OJ L 288, 30.10.2013, p. 57
- 1; g; Binders; 1m558i; Bentonite [All animal species]; Commission Implementing Regulation (EU) No 1060/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 33
- 1; h; Substances for control of radionuclide contamination (<sup>134/137</sup> Cs); 1m558i; Bentonite [All animal species]; Commission Implementing Regulation (EU) No 1060/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 33
- 1; i; Anticaking agents; 1m558i; Bentonite [All animal species]; Commission Implementing Regulation (EU) No 1060/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 33
- 1; m; Substances for reduction of the contamination of feed by mycotoxins (aflatoxin B1); 1m558; Bentonite [Ruminants, Poultry, Pigs]; Commission Implementing Regulation (EU) No 1060/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 33
- 1; m; Substances for the reduction of the contamination of feed by mycotoxins (Deoxynivalenol (DON)); 1m01; Micro-organism strain DSM 11798 of the *Coriobacteriaceae* family; Commission Implementing Regulation (EU) No 1016/2013 of 23 October 2013 in OJ L 282, 24.10.2013, p. 36
- 3; c; Amino acids, their salts and analogues; 3c391; L-cystine; Commission Implementing Regulation (EU) No 1006/2013 of 18 October 2013 in OJ L 279, 19.10.2013, p. 59

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Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- 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 authorisation Aveve NV) [Pigs for fattening; Minor porcine species for fattening other than *Sus scrofa domesticus*; Turkeys for fattening]; Commission Implementing Regulation (EU) No 1088/2011 of 27 October 2011 in OJ L 281, 28.10.2011, p. 14
- 4; b; Gut flora stabilisers; 4b1705; *Enterococcus faecium* NCIMB 10415 (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o.) [Calves, Kids]; Commission Implementing Regulation (EU) No 1061/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 38
- 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.) [Cats]; Commission Implementing Regulation (EU) No 1061/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 38
- 4; b; Gut flora stabilisers; 4b1710; *Saccharomyces cerevisiae* MUCL 39885 (holder of the authorisation ProsolSpA) [Dogs]; Commission Implementing Regulation (EU) No 1059/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 30

#### Amendments:

- Regulations (EC) No 2380/2001, (EC) No 1289/2004, (EC) No 1455/2004, (EC) No 1800/2004, (EC) No 600/2005, (EU) No 874/2010, and Commission Implementing Regulations (EU) No 388/2011, (EU) No 532/2011 and (EU) No 900/2011 are amended by Commission Implementing Regulation (EU) No 1014/2013 of 22 October 2013 in OJ L 281, 23.10.2013, p. 1  
Holder of authorisation ~~Pfizer Ltd~~ Zoetis Belgium SA
- Regulation (EC) No 102/2009 is repealed by article 2 of Commission Implementing Regulation (EU) No 1061/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 38
- Regulation (EC) No 1288/2004 is amended by article 3 of Commission Implementing Regulation (EU) No 1061/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 38

#### Deletions:

- 1; a; Preservatives; E 338; Orthophosphoric acid.  
Replaced by 1a338  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1055/2013 of 25 October 2013 in OJ L 288, 30.10.2013, p. 57
- 1; Binders, anti-caking agents and coagulants; E 558; Bentonite-montmorillonite  
Replaced by 1n558 and 1m558i  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1060/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 33
- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Calves]  
Replaced by 4b1705  
Transitional measures in article 4 of Commission Implementing Regulation (EU) No 1061/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 38
- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Cats, dogs]  
Replaced by 4b1705  
Transitional measures in article 4 of Commission Implementing Regulation (EU) No 1061/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 38

- Micro-organisms; E 1710; *Saccharomyces cerevisiae* MUCL 39885 [Cattle for fattening]. Replaced by 4b1710  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 1059/2013 of 29 October 2013 in OJ L 289, 31.10.2013, p. 3

**171<sup>st</sup> Edition:** published on 26 September 2013

Correction:

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. ~~85-32-5~~ 5550-12-9 / Disodium guanosine 5'-monophosphate (GMP)
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. ~~4691-65-0~~ 352195-40-5 / Disodium Inosine-5-Mono-phosphate (IMP)

**170<sup>th</sup> Edition:** published on 3 September 2013

Corrigendum:

- Commission Implementing Regulation (EU) No 230/2013 of 14 March 2013 on the withdrawal from the market of certain feed additives belonging to the group of flavouring and appetising substances / Corrigendum DE in OJ L 218, 14.08.2013, p. 30
- 1; g; Binders; 1g568; Clinoptilolite of sedimentary origin [All species]; Commission Implementing Regulation (EU) No 651/2013 of 9 July 2013 / Corrigendum DE in OJ DE L 228, 27.08.2013, p. 14
- 1; i; Anticaking agent; 1g568; Clinoptilolite of sedimentary origin [All species]; Commission Implementing Regulation (EU) No 651/2013 of 9 July 2013 / Corrigendum DE in OJ DE L 228, 27.08.2013, p. 14

**169<sup>th</sup> Edition:** published on 27 August 2013

Addition:

- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a316; **Folic acid**; Commission Implementing Regulation (EU) No 803/2013 of 22 August 2013 in OJ L 225, 23.08.2013, p. 17
- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a890; **Choline chloride**; Commission Implementing Regulation (EU) No 795/2013 of 21 August 2013 in ; OJ L 224, 22.08.2013, p. 1
- 4; b; Gut flora stabilisers; 4b1708; *Enterococcus faecium* NCIMB 11181 (Solid form Solid water soluble form) (holder of authorisation Chr. Hansen A/S) [Calves; Piglets (weaned)]; Commission Implementing Regulation (EU) No 797/2013 of 21 August 2013; OJ L 224, 22.08.2013, p. 6
- 4; b; Gut flora stabilisers; 4b1823; *Bacillus subtilis* (ATCC PTA-6737) (holder of 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 L 220, 17.08.2013, p. 15

Deletion:

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 2530-10-1 / 3-Acetyl-2,5-dimethylthiophene / Flavis No. 15.024;  
**Authorisation DENIED** by Commission Implementing Regulation (EU) No 796/2013 of 21 August 2013; OJ L 224, 22.08.2013, p. 4  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 796/2013 of 21 August 2013 in OJ L 224, 22.08.2013, p. 4 "*Existing stocks of 3-acetyl-2,5-dimethylthiophene and premixtures containing it shall be withdrawn from the market as soon as possible and at the latest by 11 October 2013. Compound feed produced containing 3-acetyl-2,5-dimethylthiophene before the date of entry into force of this Regulation may be used up until stocks are exhausted and at the latest by 11 October 2013*"
- 3; a; Vitamins and provitamins; Choline / Choline chloride; Council Directive 70/524/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 34890  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 795/2013 of 21 August 2013 in OJ L 224, 22.08.2013, p. 1
- 3; a; Vitamins and provitamins; Folic 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  
Replaced by 3a316  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 803/2013 of 21 August 2013 in OJ L 225, 23.08.2013, p. 17
- In Annex I  
Micro-organisms; E 1708; *Enterococcus faecium* NCIMB 11181 (Powder form) [Calves; Piglets]; Reg. (EC) No 1333/2004 / Repealed by Commission Implementing Regulation (EU) No 797/2013 of 21 August 2013 in OJ L 224, 22.08.2013, p. 6  
Replaced by 4b1708  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 795/2013 of 21 August 2013 in OJ L 224, 22.08.2013, p. 1
- In Annex II  
Micro-organisms; E 1708; *Enterococcus faecium* NCIMB 11181 (Coated form) [Calves; Piglets]; Reg. (EC) No 1333/2004 Reg. (EC) No 1333/2004 / Repealed by Commission Implementing Regulation (EU) No 797/2013 of 21 August 2013 in OJ L 224, 22.08.2013, p. 6  
Replaced by 4b1708  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 795/2013 of 21 August 2013 in OJ L 224, 22.08.2013, p. 1

**168<sup>th</sup> Edition:** published on 13 August 2013

Addition:

- 1; k; Silage additives; 1k20742; *Lactobacillus kefir* DSM 19455; Commission Implementing Regulation (EU) No 774/2013 of 12 August 2013 in OJ L 217, 13.08.2013, p. 30
- 4; b; Gut flora stabilisers; 4b1841; *Enterococcus faecium* DSM 7134 (holder of the authorisation Lactosan GmbH & Co KG) [Chickens reared for laying; Minor poultry species (other than those used for laying)]; Commission Implementing Regulation (EU) No 775/2013 of 12 August 2013 in OJ L 170, 13.08.2013, p. 32

Addition:

- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a314; **Niacin**; Commission Implementing Regulation (EU) No 642/2013 of 4 July 2013 in OJ L 186, 05.07.2013, p. 4
- 3; a; Vitamins, pro-vitamins and chemically well-defined substances having similar effect; 3a315; **Niacinamide**; Commission Implementing Regulation (EU) No 642/2013 of 4 July 2013 in OJ L 186, 05.07.2013, p. 4
- 2; a i; Colorants, substances that add or restore colour in feedingstuffs; 2a131; Patent blue V [All non-food producing animals]; Commission Implementing Regulation (EU) No 643/2013 of 4 July 2013; OJ L 186 5.07.2013, p. 7

Amendment

- Reg. (EC) No 358/2005 / Amended by Commission Implementing Regulation (EU) No 643/2013 of 4 July 2013 : E131 is deleted

Deletion:

- 3; a; Vitamins and provitamins; Nicotinic acid / Nicotinic acid (niacin); Council Directive 70/524/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 3a314  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 642/2013 of 4 July 2013 in OJ L 186 5.07.2013, p. 4
- 3; a; Vitamins and provitamins; Nicotinic acid / Nicotinic acid amide (nicotinamide-niacinamide) (NA); Council Directive 70/524/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 3a315  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 642/2013 of 4 July 2013 in OJ L 186 5.07.2013, p. 4
- 2; a (iii); Other colourants; E 131; Patent blue V [Grain-eating ornamental birds; Small rodents]; Reg. (EC) No 358/2005  
Replaced by 2a131  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 643/2013 of 4 July 2013 in OJ L 186 5.07.2013, p. 7
- 2; a; Other colourants; E 131; Patent blue V [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  
Replaced by 2a131  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 643/2013 of 4 July 2013 in OJ L 186 5.07.2013, p. 7

- 2; a; Other colourants; Relevant E number; Allura Red E 129; Brilliant Black PN E 151; Brilliant Blue FCF E 133; Brown HT E 155; Caramel colours E150b, E150c and E150d; Carmine (Carmine Lake WSP 50%) E 120; Chlorophyllin Copper Complex E 141; Erythrosine E 127; Indigotine E 132; Iron Oxide Red, Black & Yellow E 172; ~~Patent Blue V E 131~~; Ponceau 4 R E 124; Quinoline Yellow E 104; Titanium dioxide (anatase & rutile structure) E 171; Vegetal Carbon E 153; Tartrazine E 102; Sunset yellow FCF E 110 as colouring agents authorised for colouring foodstuffs by Community rules, other than ~~Patent blue V~~, Acid brilliant green BS, and Canthaxanthin [Dogs; Cats]  
Replaced by 2a131  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 643/2013 of 4 July 2013 in OJ L 186 5.07.2013, p. 7
- 2; a; Other colourants; E 131; Patent blue V [Cats;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  
Replaced by 2a131  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 643/2013 of 4 July 2013 in OJ L 186 5.07.2013, p. 7

### **166<sup>th</sup> Edition:** published on 6 August 2013

#### Addition:

- 4; d; Other zootechnical additives; 4d8; Ammonium chloride (holder of the authorisation BASF SE) [Ruminants; Cats and dogs]; Commission Implementing Regulation (EU) No 725/2013 of 26 July 2013 in OJ L 202 27.07.2013, p. 17

#### Deletion:

- 1; j; Acidity regulators; E 510; Ammonium chloride [Cats; 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  
Replaced by 4d8  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 725/2013 of 26 July 2013 in OJ L 202 27.07.2013, p. 17

#### Correction:

- Micro-organisms; 15; *Enterococcus faecium* NCIMB 11181 [Chickens for fattening]; Reg. (EC) No 1810/2005; OJ L 291, 05.11.2005, p. 5  
Moved to Annex II

### **165<sup>th</sup> Edition:** published on 16 July 2013

#### Addition:

- 1; g; Binders; 1g568; Clinoptilolite of sedimentary origin [All species]; Commission Implementing Regulation (EU) No 651/2013 of 9 July 2013 in OJ L 189, 10.07.2013, p. 1
- 1; i; Anticaking agent; 1g568; Clinoptilolite of sedimentary origin [All species]; Commission Implementing Regulation (EU) No 651/2013 of 9 July 2013; in OJ L 189, 10.07.2013, p. 1
- 5; Coccidiostats and histomonostats; 51771; Diclazuril 0,5 g/100 g (Clinacox 0,5 %) (holder of authorisation Eli Lilly and Company Ltd) [Chickens reared for laying]; Commission Implementing Regulation (EU) No 667/2013 of 12 July 2013 in OJ L 192, 13.07.2013, p. 35

Deletion:

- 1; Bind is repealeders, anti-caking agents and coagulants; E 568; Clinoptilolite of sedimentary origin [Pigs for fattening; Chickens for fattening; Turkeys for fattening; Bovine; Salmon]; Reg. (EC) No 1810/2005  
Replaced by 1g568  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 651/2013 of 9 July 2013 in OJ L 189, 10.07.2013, p. 1
- 5; Coccidiostats and other medicinal substances; E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) Diclazuril 0,2 g/100 g (Clinacox 0,2 % Premix) (holder of authorisation Eli Lilly and Company Ltd) [Chickens reared for laying]; Commission Regulation (EC) No 162/2003 of 30 January 2003 is repealed.  
Replaced by 51771  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 667/2013 of 12 July 2013 in OJ L 192, 13.07.2013, p. 35

Correction:

- 3; b; Trace elements; Manganese – **Mn**, Manganous carbonate  
Moved to annex II

**164<sup>th</sup> Edition:** published on 2 July 2013

Addition:

- 3; b; Compound of trace elements; 3b611; Zinc chelate of methionine (1:2) [All species]; Commission implementing regulation. (EU) No 636/2013 of 1 July 2013; OJ L 183, 02.07.2013, p. 3

Corrigendum:

- Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013 / Corrigendum DE in OJ L 179 DE, 29.06.2013, p. 105

**163<sup>rd</sup> Edition:** published on 25 June 2013

Addition:

- 4; b; Gut flora stabilisers; 4b1890; *Bifidobacterium animalis ssp. animalis* DSM 16284, *Lactobacillus salivarius ssp. salivarius* DSM 16351 and *Enterococcus faecium* DSM 21913; Commission Implementing Regulation (EU) No 544/2013 of 14 June 2013 in OJ L 163, 15.06.2013, p. 13
- 3; b; Compounds of trace elements; 3b801; Cobalt(II) acetate tetrahydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]; Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013; OJ L 172, 25.06.2013, p. 14
- 3; b; Compounds of trace elements; 3b802; Cobalt(II) carbonate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]; Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013; OJ L 172, 25.06.2013, p. 14
- 3; b; Compounds of trace elements; 3b803; Cobalt(II) carbonate hydroxide (2:3) monohydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]; Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013; OJ L 172, 25.06.2013, p. 14



- 3; b; Compounds of trace elements; 3b804; Coated granulated cobalt(II) carbonate hydroxide (2:3) monohydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]; Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013; OJ L 172, 25.06.2013, p. 14
- 3; b; Compounds of trace elements; 3b805; Cobalt(II) sulphate, heptahydrate [Ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals]; Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013; OJ L 172, 25.06.2013, p. 14

Deletion:

- 3; b; Trace elements; E 3; **Cobalt – Co**, Cobaltous acetate, tetrahydrate  
Replaced by 3b801  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013
- 3; b; Trace elements; E 3; **Cobalt – Co**, Basic cobaltous carbonate, monohydrate  
Replaced by 3b802  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013
- 3; b; Trace elements; E 3; **Cobalt – Co**, Cobaltous sulphate, heptahydrate  
Replaced by 3b805  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 601/2013 of 24 June 2013

Correction:

- 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  
Moved to Annex I
- 3; b; Compounds of trace elements; 3b409; ~~Copper – Cu~~, Dicopper chloride trihydroxide; Commission Implementing Regulation (EU) No 269/2012 of 26 March 2012
- 3; b; Compounds of trace elements; 3b4.10; ~~Copper – Cu~~ chelate of hydroxy analogue of methionine [All species]
- 3; b; Compounds of trace elements; 3b609; ~~Zinc – Zn~~, Zinc chloride hydroxide monohydrate [All species]
- 3; b; Compounds of trace elements; 3b6.10; ~~Zinc – Zn~~ Zinc chelate of hydroxy analogue of methionine [All species]
- 3; b; Compound of trace elements; 3b5.10; ~~Manganese – Mn~~ Manganese chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 350/2010 of 23 April 2010

Information concerning the suspension of authorisations:

- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Piglets; Sows]; Reg. (EC) No 256/2002 of 12 February 2002 / Amended by Reg. (EC) No 1143/2007 of 1 October 2007 / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013 is fully applicable again, according to the Order of the President of the General Court of Justice of the E.U. of 05/06/2013 in Case T-201/13 R.
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Piglets; Pigs for fattening; Reg. (EC) No 1453/2004] / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013 is fully applicable again, according to the Order of the President of the General Court of Justice of the E.U. of 05/06/2013 in Case T-201/13 R.
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Rabbits for fattening; Chickens for fattening]; Reg. (EC) No 1200/2005 / Amended by: Reg. (EC) No 1445/2006 of 29 September 2006 / Amended by Reg. (EU) No 104/2010 / Amended by Reg. (EU) No 170/2011 / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013 is fully applicable again, according to the Order of the President of the General Court of Justice of the E.U. of 05/06/2013 in Case T-201/13 R.
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Cattle for fattening]; Reg. (EC) No 255/2005 / Amended by Reg. (EU) No 171/2011 / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013 is fully applicable again, according to the Order of the President of the General Court of Justice of the E.U. of 05/06/2013 in Case T-201/13 R.
- 4; b; Gut flora stabilisers; 4b1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 (holder of the authorisation Rubinum) [Turkeys for fattening]; Reg. (EC) No 166/2008 of 22 February 2008 / AUTHORISATION SUSPENDED, by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013 is fully applicable again, according to the Order of the President of the General Court of Justice of the E.U. of 05/06/2013 in Case T-201/13 R.
- 4; b; Gut flora stabilisers; 4b1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 (holder of the authorisation Rubinum S.A.) [Rabbits; breeding does]; Reg.(EC) No 378/2009 of 8 May 2009 / AUTHORISATION SUSPENDED, by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013 is fully applicable again, according to the Order of the President of the General Court of Justice of the E.U. of 05/06/2013 in Case T-201/13 R.

Addition:

- 3; c; Amino acids, their salts and analogues; 3c301; DL-methionine, technically pure; Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 in OJ L 136, 23.05.2013, p. 1

- 3; c; Amino acids, their salts and analogues; 3c302; Sodium DL- methionine, liquid; Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 in OJ L 136, 23.05.2013, p. 1
- 3; c; Amino acids, their salts and analogues; 3c303; DL-methionine protected with copolymer vinylpyridine/styrene; Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 in OJ L 136, 23.05.2013, p. 1
- 3; c; Amino acids, their salts and analogues; 3c304; DL-methionine protected with ethylcellulose; Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 in OJ L 136, 23.05.2013, p. 1
- 3; c; Amino acids, their salts and analogues; 3c307; Hydroxy analogue of methionine; Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 in OJ L 136, 23.05.2013, p. 1
- 3; c; Amino acids, their salts and analogues; ~~3c3108~~ 3c308; Calcium salt of hydroxyl analogue of methionine; Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 in OJ L 136, 23.05.2013, p. 1  
Corrigendum in OJ L 146, 31.05.2013, p. 37
- 3; c; Amino acids, their salts and analogues; 3c309; Isopropyl ester of the hydroxylated analogue of methionine; Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 in OJ L 136, 23.05.2013, p. 1

#### Corrigendum:

- 3; c; Amino acids, their salts and analogues; 3c308; Calcium salt of hydroxyl analogue of methionine; Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013 / Corrigendum in OJ L 146, 31.05.2013, p. 37

#### Deletion:

- 3; c; Amino acids, their salts and analogues; 3.1.1.; Methionine / DL-methionine, technically pure; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36.  
Replaced by 3c301  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013
- 3; c; Amino acids, their salts and analogues; 3.1.4.; Methionine / Concentrated liquid sodium DL-methionine technically pure; Dir. 89/520/EEC in OJ L 270, 19.09.1989, p. 15.  
Replaced by 3c302  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013
- 3; c; Amino acids, their salts and analogues; 3.1.5.; Methionine / DL-methionine, technically pure protected with copolymer vinylpyridine/styrene; Dir. 93/26/EEC in OJ L 179, 27.07.1993, p. 3.  
Replaced by 3c303.  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013
- 3; c; Amino acids, their salts and analogues; 3.1.6.; Methionine / Hydroxy analogue of methionine; Dir. 93/26/EEC in OJ L 179, 27.07.1993, p. 3.  
Replaced by 3c307  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013

- 3; c; Amino acids, their salts and analogues; 3.1.7.; Methionine / Calcium salt of hydroxyl analogue of methionine; Dir. 93/26/EEC in OJ L 179, 27.07.1993, p. 3.  
Replaced by 3c3108.  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013
- 3; c; Amino acids, their salts and analogues; 3.1.8; Methionine / Isopropyl ester of the hydroxylated analogue of methionine; Dir. 2003/104/EC in OJ L 295, 13.11.2003, p. 83.  
Replaced by 3c309  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 469/2013 of 22 May 2013

Correction:

- 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  
Moved to Annex II
- 3; c; Amino acids, their salts and analogues; 3.1.3.; Methionine / Methionine-zinc, technically pure; Dir. 88/485/EEC in OJ L 239, 30.08.1988, p. 36  
Moved to Annex II
- 1; a; Preservatives; E 218; Methyl 4-hydroxybenzoate [Pets]; Council Directive 70/524/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

**160<sup>th</sup> Edition:** published on 21 May 2013

Addition:

- 3; b; Trace elements; 3b814; Hydroxy-analogue of selenomethionine; Commission Implementing Regulation (EU) No 445/2013 of 14 May 2013 in OJ L 130, 15.05.2013, p. 21

**159<sup>th</sup> Edition:** published on 13 May 2013

Addition:

- 4; a; Digestibility enhancers; 4a1602i; Preparation of endo-1,4-beta-xylanase (EC 3.2.1.8), endo-1,3(4)-beta-glucanase (EC 3.2.1.6) and endo-1,4- beta-glucanase (EC 3.2.1.4), produced by *Trichoderma reesei* (ATCC 74444) (holder of authorisation DSM Nutritional Products) [Poultry for fattening other than turkeys for fattening; Poultry for laying; Turkeys for fattening; Piglets (weaned)]; Commission Implementing Regulation (EU) No 403/2013 of 2 May 2013 in OJ L 121, 03.05.2013, p. 33
- 4; d; Other zootechnical additives; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (holder of authorisation 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
- 3; b; Trace elements; 3b813; Selenomethionine produced by *Saccharomyces cerevisiae* NCYC R646 (Selenised yeast inactivated); Commission Implementing Regulation (EU) No 427/2013 of 8 May 2013 in OJ L 127, 09.05.2013, p. 20

#### Amendment / Deletion:

- Enzymes; E 1602; Endo-1,4-beta-glucanase / EC 3.2.1.4 / Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 74 252) [Turkeys for fattening]; Reg. (EC) No 1206/2005 / Amended by Commission Implementing Regulation (EU) No 403/2013 of 2 May 2013 in OJ L 121, 03.05.2013, p. 33. Transitional measures in article 5 of Commission Implementing Regulation (EU) No 403/2013 of 2 May 2013. Replaced by 4a1602i
- Enzymes; E 1602; Endo-1,4-beta-glucanase / EC 3.2.1.4 / Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 74 252) [Chickens for fattening]; Reg. (EC) No 1259/2004 / Amended by Commission Implementing Regulation (EU) No 403/2013 of 2 May 2013 in OJ L 121. Transitional measures in article 5 of Commission Implementing Regulation (EU) No 403/2013 of 2 May 2013. Replaced by 4a1602i
- Enzymes; E 1602; Endo-1,4-beta-glucanase / EC 3.2.1.4 / Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 74 252) [Laying hens; Piglets (weaned)]; Reg. (EC) No 1876/2006 / Amended by Commission Implementing Regulation (EU) No 403/2013 of 2 May 2013 in OJ L 121, 03.05.2013, p. 33. Transitional measures in article 5 of Commission Implementing Regulation (EU) No 403/2013 of 2 May 2013. Replaced by 4a1602i

**158<sup>th</sup> Edition:** published on 25 April 2013

#### Addition:

- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* FERM BP-2789 (holder of authorisation Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.) [Chickens reared for laying]; Commission Implementing Regulation (EU) No 374/2013 of 23 April 2013 in OJ L 112, 24.04.2013, p. 13

#### Information concerning the suspension of authorisations:

- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Piglets; Sows]; Reg. (EC) No 256/2002 of 12 February 2002 / Amended by Reg. (EC) No 1143/2007 of 1 October 2007 / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013. Application of this Regulation has been suspended by Order of the President of the General Court of Justice of the E.U. of 15/4/2013, pending a decision in Case T-201/13 R.
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Piglets; Pigs for fattening; Reg. (EC) No 1453/2004] / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013. Application of this Regulation has been suspended by Order of the President of the General Court of Justice of the E.U. of 15/4/2013, pending a decision in Case T-201/13 R.

- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Rabbits for fattening; Chickens for fattening]; Reg. (EC) No 1200/2005 / Amended by: Reg. (EC) No 1445/2006 of 29 September 2006 / Amended by Reg. (EU) No 104/2010 / Amended by Reg. (EU) No 170/2011 / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013. Application of this Regulation has been suspended by Order of the President of the General Court of Justice of the E.U. of 15/4/2013, pending a decision in Case T-201/13 R.
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Cattle for fattening]; Reg. (EC) No 255/2005 / Amended by Reg. (EU) No 171/2011 / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013. Application of this Regulation has been suspended by Order of the President of the General Court of Justice of the E.U. of 15/4/2013, pending a decision in Case T-201/13 R.
- 4; b; Gut flora stabilisers; 4b1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 (holder of the authorisation Rubinum) [Turkeys for fattening]; Reg. (EC) No 166/2008 of 22 February 2008 / AUTHORISATION SUSPENDED, by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013. Application of this Regulation has been suspended by Order of the President of the General Court of Justice of the E.U. of 15/4/2013, pending a decision in Case T-201/13 R.
- 4; b; Gut flora stabilisers; 4b1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 (holder of the authorisation Rubinum S.A.) [Rabbits; breeding does]; Reg.(EC) No 378/2009 of 8 May 2009 / AUTHORISATION SUSPENDED, by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.  
Regulation (EU) No 288/2013. Application of this Regulation has been suspended by Order of the President of the General Court of Justice of the E.U. of 15/4/2013, pending a decision in Case T-201/13 R.

#### Amendments:

- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* FERM-BP 2789 (holder of authorisation Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.) [chickens for fattening]; Reg. (EC) No 903/2009 of 28 September 2009 / Amended by Commission Implementing Regulation (EU) No 373/2011 of 15 April 2011 / Amended by Commission Implementing Regulation (EU) No 357/2013 of 18 April 2013 in OJ L 109, 19.04.2013, p. 22
- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* FERM BP-2789 (holder of authorisation Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.) [Minor avian species (excluding laying birds); Piglets (weaned) and minor porcine species (weaned).]; Commission Implementing Regulation (EU) No 373/2011 of 15 April 2011 / Amended by Commission Implementing Regulation (EU) No 357/2013 of 18 April 2013 in OJ L 109, 19.04.2013, p. 22

#### Correction:

- 1; k; 2 – Microorganisms; *Enterococcus faecium* BIO 34 moved from Annex 1 to Annex 2

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 2847-30-5 / 2-Methoxy-3-methylpyrazine / Flavis No. 14.126

**157<sup>th</sup> Edition:** published on 9 April 2013

Addition:

- 4; b; Gut flora stabilisers; 4b1823; *Bacillus subtilis* ATCC PTA-6737 (holder of authorisation Kemin Europa NV) [(Weaned) piglets and (weaned) Suidae other than *Sus scrofa domesticus*]; Commission Implementing Regulation (EU) No 306/2013 of 2 April 2013 in OJ L 91, 03.04.2013, p. 5
- 1; k; 2 – Microorganisms; 1k20736; *Lactobacillus plantarum* (NCIMB 30083); Commission Implementing Regulation (EU) No 308/2013 of 3 April 2013 in OJ L 94, 04.04.2013, p. 1
- 1; k; 2 – Microorganisms; 1k20737; *Lactobacillus plantarum* (NCIMB 30084); Commission Implementing Regulation (EU) No 308/2013 of 3 April 2013 in OJ L 94, 04.04.2013, p. 1

Deletions:

In Annex 1

- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* LSI NCIMB 30083; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29  
Replaced by 1k20736. Transitional measures in Art. 2 of Commission Implementing Regulation (EU) No 308/2013 of 3 April 2013
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* LSI NCIMB 30084; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29  
Replaced by 1k20737 Transitional measures in Art. 2 of Commission Implementing Regulation (EU) No 308/2013 of 3 April 2013

In Annex 2

- All additives belonging to category 2, functional group b in annex II are withdrawn by Commission Implementing Regulation (EU) No 230/2013 of 14 March 2013 in OJ L 80, 21.03.2013, p. 1. Transitional measures are described in Art. 2.

Suspension of authorisations:

- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Piglets; Sows]; Reg. (EC) No 256/2002 of 12 February 2002 / Amended by Reg. (EC) No 1143/2007 of 1 October 2007 / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Piglets; Pigs for fattening; Reg. (EC) No 1453/2004] / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Rabbits for fattening; Chickens for fattening]; Reg. (EC) No 1200/2005 / Amended by: Reg. (EC) No 1445/2006 of 29 September 2006 / Amended by Reg. (EU) No 104/2010 / Amended by Reg. (EU) No 170/2011 / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.

- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Cattle for fattening]; Reg. (EC) No 255/2005 / Amended by Reg. (EU) No 171/2011 / AUTHORISATION SUSPENDED by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.
- 4; b; Gut flora stabilisers; 4b1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 (holder of the authorisation Rubinum) [Turkeys for fattening]; Reg. (EC) No 166/2008 of 22 February 2008 / AUTHORISATION SUSPENDED, by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.
- 4; b; Gut flora stabilisers; 4b1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 (holder of the authorisation Rubinum S.A.) [Rabbits; breeding does]; Reg.(EC) No 378/2009 of 8 May 2009 / AUTHORISATION SUSPENDED, by Commission Implementing Regulation (EU) No 288/2013 of 25 March 2013 in OJ L 86, 26.03.2013, p. 15. See transitional measures in article 7.

#### Corrigendum:

- 4; d; Other zootechnical additives; 4d 3; Preparation of protected citric acid, sorbic acid, thymol and vanillin (holder of the authorisation Vetagro SpA) [Chickens for fattening and reared for laying Minor avian species for fattening and reared for laying; Weaned Suidae other than *Sus scrofa domesticus*]; Commission Implementing Regulation (EU) No 849/2012 of 19 September 2012 / *Corrigendum* DE in OJ L 70 DE, 14.03.2013, p. 12
- 1; k; 2 – Microorganisms; 1k2083; *Lactococcus lactis* (NCIMB 30117); Commission Implementing Regulation (EU) No 227/2012 of 15 March 2012 / *Corrigendum* PL in OJ L 209, PL 04.08.2012 p. 18
- 4; a; Digestibility enhancers; 4a16; Preparation 6-phytase (EC 3.1.3.26) produced by *Pichia pastoris* (DSM 23036) (holder of the authorisation Huvepharma AD) [Chickens for fattening; Chickens reared for laying; Laying hens; Other avian species other than turkeys for fattening and turkeys reared for breeding; Sows; Turkeys for fattening; Turkeys reared for breeding; Pigs for fattening; Piglets (weaned)]; Commission Implementing Regulation (EU) No 98/2012 of 7 February 2012 / *Corrigendum* PL in OJ L 120, 05.05.2012. p. 16

**156<sup>th</sup> Edition:** published on 6 March 2013

#### Deletions:

##### In Annex II

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 104691-41-0 / 2(4)-isopropyl-4(2),6-dimethyldihydro-(4H)-1,3,5-dithiazine / Flavis No. 15057
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 96-54-8 / Methyl Pyrrole / Flavis No. 14.023

#### Corrections:

##### In Annex II

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 104691-40-9 / 2(4)-Isopropyl-4(2),6-dimethyldihydro-4H-1,3,5-dithiazine/ Flavis No. 15.057
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 19089-92-0 / ~~Hexyl crotonate~~ Hexyl 2-butenate / Flavis No. 09.266



- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 5577-44-6 / 2,4-Octadienal / Flavis No. 05.186
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 65817-24-5 / Dimethyl-3,6-benzo-2(3H)-furanone; 2-(4-Methyl-2-hydroxyphenyl) propionic acid-gamma-lactone / Flavis 10.072
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 67114-38-9 / Gamma Jasmolactone; Dec-7-eno-1,4-lactone / Flavis No. 10.038
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 96-54-8 / 1-Methylpyrrole; 1-methyl-1H-pyrrole; Methyl Pyrrole / Flavis No. 14.023

Information:

- The list of modifications to the Register, editions 126-150, is now in a separate appendix 3c ([Appendix 3c](#))

**155<sup>th</sup> Edition:** published on 28 February 2013

Additions:

- 1; a; Preservatives; 1a700; Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg [Pigs; Poultry; Bovines; Sheep; Goats; Rabbits; Horses]; Commission Implementing Regulation (EU) No 159/2013 of 21.02.2013 in OJ L 49, 22.02.2013, p. 47
- 1; j; Acidity regulators; 1j524; Sodium hydroxide [Cats; Dogs; Ornamental fish]; Commission Implementing Regulation (EU) No 161/2013 of 21.02.2013 in OJ L 49, 22.02.2013, p. 52

Amendments:

- 5; Coccidiostats and other medicinal substances; E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) Diclazuril 0,2 g/100 g (Clinacox 0,2 % Premix) (holder of authorisation ~~Janssen Animal Health BVBA~~ Eli Lilly and Company Ltd) [Chickens reared for laying]; Commission Regulation (EC) No 162/2003 of 30 January 2003 Amended by Commission Implementing Regulation (EU) No 160/2013 of 21 February 2013 in OJ L 49, 22.02.2013, p. 50
- 5; Coccidiostats and other medicinal substances; E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (holder of authorisation ~~Janssen Animal Health BVBA~~ Eli Lilly and Company Ltd) [Rabbits]; Reg. (EC) No 971/2008 of 3 October 2008 Amended by Commission Implementing Regulation (EU) No 160/2013 of 21 February 2013 in OJ L 49, 22.02.2013, p. 50
- 5; Coccidiostats and histomonostats; 5 1 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (holder of authorisation ~~Janssen Animal Health BVBA~~ Eli Lilly and Company Ltd) [Chickens for fattening]; Reg. (EU) No 1118/2010 of 2 December 2010 Amended by Commission Implementing Regulation (EU) No 160/2013 of 21 February 2013 in OJ L 49, 22.02.2013, p. 50
- 5; Coccidiostats and histomonostats; 5 1 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (holder of authorisation ~~Janssen Animal Health BVBA~~ Eli Lilly and Company Ltd) [Guinea fowls]; Reg. (EU) No 169/2011 of 23 February 2011 Amended by Commission Implementing Regulation (EU) No 160/2013 of 21 February 2013 in OJ L 49, 22.02.2013, p. 50
- 5; Coccidiostats and histomonostats; 5 1 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (holder of authorisation ~~Janssen Animal Health BVBA~~ Eli Lilly and Company Ltd) [Turkeys for fattening]; Commission Implementing Regulation (EU) No 888/2011 of 5 September 2011 Amended by Commission Implementing Regulation (EU) No 160/2013 of 21 February 2013 in OJ L 49, 22.02.2013, p. 50

Deletions:

In Annex I

- 1; a; Preservatives; E 700; Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg [Pigs; Dairy cows]; Reg. (EC) No 1876/2006 of 18 December 2006 in OJ L 360, 19.12.2006, p. 126  
Replaced by 1a700  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 159/2013 of 21 February 2013 in OJ L 49, 22.02.2013, p. 47
- 1; a; Preservatives; E 700; Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg [Cattle for fattening]; Reg. (EC) No 757/2007 of 29 June 2007 in OJ L 172, 30.06.2007, p. 43  
Replaced by 1a700  
Transitional measures in article 3 of Commission Implementing Regulation (EU) No 159/2013 of 21 February 2013 in OJ L 49, 22.02.2013, p. 47
- 1; j; Acidity regulators; E 524; Sodium hydroxide [Cats; 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  
Replaced by 1j524  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 161/2013 of 21 February 2013 in OJ L 49, 22.02.2013, p. 52

In Annex II

- 2; b; natural products - botanically defined; *Saussurea lappa* C. B. Clarke: Costus root absolute CoE 53 / Costus root oil CAS 8023-88-9 FEMA 2336 CoE 53 EINECS 290-278-1

Corrections:

In Annex I

- 2; b; natural products – botanically defined; *Agathosma betulina*, synonyme *Barosma betulina* Bartl. et Wendl.: Buchu leaves oil CAS 68650-46-4 FEMA 2169 CoE 85 EINECS 283-474-3
- 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 / Cinnamon bark oil CAS 8015-91-6 FEMA 2291 CoE 133 EINECS 283-479-0 / Cinnamon leaf oil CAS 8015-91-6 FEMA 2292 CoE 133 EINECS 284-635-0 / Cinnamon tincture CoE 133
- 2; b; natural products – botanically defined; *Ginkgo biloba* L.: Ginkgo extract / [All species]
- 2; b; natural products – botanically defined; *Malus sylvestris* Mill.: Apple concentrate CoE 386

In Annex II

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 207983-28-6 / Methyl 3-(methylthio) butanoate
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 932-16-1 / ~~2-1 (1-Methyl-pyrrol-2-yl)-ethanone~~ 2-Acetyl-1-methylpyrrole / Flavis No. 14.046
- 2; b; natural products - botanically defined; *Abies alba* Mill., *A. sibirica* Ledeb.: Abies alba oil from cones CAS 8021-27-0 CoE 2 EINECS 289-870-2 / Abies alba oil from needles CAS 8021-27-0 CoE 2 EINECS 289-870-2 / Pine needle absolute CAS 8021-29-2 FEMA 2905 CoE 5 EINECS 294-351-9 / Abies alba / Pine tincture CoE 2/5
- 2; b; natural products - botanically defined; *Achyrocline satureioides* L. = Lorenta s. (Less.) DC.: Macela absolute / Macela extract / Macela oil / Macela tincture

- 2; b; natural products - botanically defined; *Agathosma betulina*, synonyme *Barosma betulina* Bartl. et Wendl.: Buchu absolute CoE 85 / Buchu extract CoE 85 / Buchu tincture CoE 85
- 2; b; natural products - botanically defined; *Alchornea castaneifolia* (Humb. & Bonpl. ex Willd.) A. Juss.: Iporuru absolute / Iporuru extract / Iporuru oil / Iporuru tincture
- 2; b; natural products - botanically defined; *Allium aflatunense* B. Fedtsch: ~~Turkestinian allium~~ Absolute / ~~Turkestinian allium~~ Extract / ~~Turkestinian allium~~ Oil / ~~Turkestinian allium~~ Tincture
- 2; b; natural products - botanically defined; *Andrographis paniculata* Nees: King of bitter / ~~Great Indian chiretta~~ CoE 37
- 2; b; natural products - botanically defined; *Asperula odorata* L.: Woodruff oil CoE 77 / Woodruff extract CoE 77
- 2; b; natural products - botanically defined; *Calycophyllum spruceanum* (Benth.) Hook.f. ex K. Schum.: Guandu / Guandu absolute / Guandu extract / Guandu oil / Guandu tincture
- 2; b; natural products - botanically defined; *Camellia japonica*, tincture
- 2; b; natural products - botanically defined; *Carthamus tinctorius* L.: Safflower absolute CoE 110 / Safflower extract CoE 110 / Safflower oil CoE 110 / Safflower tincture CoE 110
- 2; b; natural products - botanically defined; *Cinchona succirubra* Pav. ex Klotzsch, *C. pubescens* L.: Cinchona bark extract CAS 68990-12-5 FEMA 2282 CoE 128 / Cinchona bark tincture CoE 128
- 2; b; natural products - botanically defined; *Cinnamomum zeylanicum* Bl., *C. verum* J.S. Presl: Cinnamon CAS 84961-46-6 FEMA 2289 CoE 133 EINECS 284-635-0 / Cinnamon bark extract CAS 84961-46-6 FEMA 2290 CoE 133
- 2; b; natural products - botanically defined; *Commiphora mukul* Engl.: Tincture
- 2; b; natural products - botanically defined; *Crataegus oxyacantha* L.p.p. et auct.: Hawthorne absolute CoE 156 / Hawthorne extract CoE 156 / Hawthorne oil CoE 156
- 2; b; natural products - botanically defined; *Cucurbita maxima* Duch.: Squash distillate / Squash extract / Squash oil / Squash tincture
- 2; b; natural products - botanically defined; *Dicypellium caryophyllatum* Nees: Clove cinnamon absolute CoE 176 / Clove cinnamon extract CoE 176 / Clove cinnamon oil CoE 176 / Clove cinnamon tincture CoE 176
- 2; b; natural products - botanically defined; *Eucalyptus citriodora* Hook.: Eucalyptus citriodora absolute CoE 186 / Eucalyptus citriodora extract CoE 186 / Eucalyptus citriodora oil CoE 186 / Eucalyptus citriodora tincture CoE 186
- 2; b; natural products - botanically defined; *Euphrasia officinalis*: tincture
- 2; b; natural products - botanically defined; *Ginkgo biloba* L.: Ginkgo absolute / Ginkgo oil
- 2; b; natural products - botanically defined; *Glechoma hederacea* L.: Ivy extract CoE 216 / Ivy tincture CoE 216
- 2; b; natural products - botanically defined; *Holarrhena antidysenterica* Wall. ex DC.: Tellicherry absolute / Tellicherry tincture
- 2; b; natural products - botanically defined; *Malus sylvestris* Mill.: Apple spraydried CoE 386 / Apple distillate CoE 386 / Apple essence oil CoE 386 / Apple extract CoE 386
- 2; b; natural products - botanically defined; *Michelia alba* DC.: Ginkgo boku absolute / Ginkgo boku tincture
- 2; b; natural products - botanically defined; *Sassafras albidum* (Nutt.) Nees: Sassafras bark extract (Safrol-free) CAS 84787-72-4 FEMA 3010 CoE 424 EINECS 284-113-2 / Sassafras oil CAS 84787-72-4 CoE 424 EINECS 284-113-2

- 2; b; natural products - botanically defined; *Yucca filamentosa* L.: Bear grass absolute / Bear grass extract / Bear grass tincture

**154<sup>th</sup> Edition:** published on 12 February 2013

Additions:

- 4; d; Other zootechnical additives; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (holder of authorisation Lallemand SAS) [All fish other than salmonids]; Commission Implementing Regulation (EU) No 95/2013 of 1 February 2013 in OJ L 33, 02.02.2013, p. 19
- 1; k; 2 – Microorganisms; 1k20734; *Lactobacillus buchneri* NCIMB 30139; Commission Implementing Regulation (EU) No 96/2013 of 1 February 2013 in OJ L 33, 02.02.2013, p. 21
- 1; k; 2 – Microorganisms; 1k20735; *Lactobacillus casei* ATTC PTA 6135; Commission Implementing Regulation (EU) No 96/2013 of 1 February 2013 in OJ L 33, 02.02.2013, p. 21

Deletions:

In Annex I

- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* NCIMB 30139; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29  
Replaced by 1k20734  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 96/2013 of 1 February 2013 in OJ L 33, 02.02.2013, p. 21
- 1; k; 2 – Microorganisms; *Lactobacillus casei* 32909; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29  
Replaced by 1k20735  
Transitional measures in article 2 of Commission Implementing Regulation (EU) No 96/2013 of 1 February 2013 in OJ L 33, 02.02.2013, p. 21
- 5; Coccidiostats and other medicinal substances; E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) Diclazuril 0,2 g/100 g (Clinacox 0,2 % Premix) (holder of authorisation Janssen Animal Health BVBA) [Turkeys for fattening]; COMMISSION REGULATION (EC) No 418/2001 of 1 March 2001 / Amended by Reg No 1519/2007 of 19 December 2007 / Amended by Reg. (EC) No 976/2008 of 6 October 2008  
Replaced by 5 1 771 Commission Implementing Regulation (EU) No 888/2011 of 5 September 2011 in OJ L 229, 06.09.2011, p. 9

In Annex II

- 2; b; natural products - botanically defined; *Cryptocaryo massoic*, extract

Amendments:

- 4; a; Digestibility enhancers; 4a3; Endo-1,4-beta-mannanase EC 3.2.1.78 (Hemicell) (holder of the authorisation Eli Lilly and Company Ltd) [Chickens for fattening]; Reg (EC) No 786/2007 of 4 July 2007 in OJ L 175, 05.07.2007, p. 8. Amended by Commission Implementing Regulation (EU) No 103/2013 of 4 February 2013 in OJ L 34, 05.02.2013, p. 12
- 4; d; Other zootechnical additives; 4d4; Dimethylglycine sodium salt (holder of the authorisation Taminco BVBA) [Chickens for fattening]; Commission Implementing Regulation (EU) No 371/2011 of 15 April 2011 in OJ L 102, 16.04.2011, p. 6 / Amended by Commission Implementing Regulation (EU) No 105/2013 of 4 February 2013 in OJ L 34, 05.02.2013, p. 15

## Corrigenda

- 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 authorisation Danisco Animal Nutrition) [Minor poultry species other than ducks]; Commission Implementing Regulation (EU) No 1021/2012 of 6 November 2012 / Corrigendum PL in OJ L 21 PL, 18.01.2013 p. 60
- 4; a; Digestibility enhancers; 4a62; endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) (holder of the authorisation BASF SE) [Chickens for fattening, Ducks]; Reg. (EC) No 1096/2009 of 16 November 2009 / Amended by Commission Implementing Regulation (EU) No 1019/2012 of 6 November 2012 / Corrigendum PL in OJ L14 of 18/01/2013 p.24

## Corrections:

### In Annex I

- 2; b; natural products - botanically defined; *Citrus limonimedica* Lush. *C. bushukan*: ~~Sarcodactylis~~-Distillate / ~~Citron tree~~ / ~~Sarcodactylis~~-Oil CAS 85085-28-5 FEMA 3899
- 2; b; natural products – botanically defined; *Malpighia glabra* L.: Acerola extract
- 2; b; natural products – botanically defined; *Mentha spicata* L.: Spearmint oil native CAS 8008- 79-5 FEMA 3032 CoE 286 (=CoE CoE 284b, 285a, 285c) EINECS 283-656-2 / Spearmint oil terpenless CAS 8008-79-5 CoE 285 EINECS 283-656-2
- 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
- 2; b; natural products - botanically defined; *Vetiveria zizanioides* (L.) Nash.: Vetiver absolute CoE 479
- 2; b; natural products – botanically defined; *Withania somnifera* (L.) Dunal. = *Physalis somnifera* Link: Ashwagandha tincture
- 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 in OJ L 271, 22.10.2003, p. 13 / Amended by OJ L 43, 14.02.2006, p. 22

### In Annex II

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 128-50-7 / 2-(6,6-Dimethylbicyclo[3.1.1]hept-2-en- 2-yl)ethan-1-ol / Flavis No. 02.141
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 84060-80-0 / (Z,Z)-3-hexenyl 2-methyl-2-butenolate
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 156324-82-2 / 2-Isopropyl-5-methylcyclohexyl oxycarbonyloxy-2-hydroxypropane / Flavis No. 09.920
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1504-74-1 / 3-(2-Methoxyphenyl)prop-2-enal / Flavis No. 05.048
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 101517-87-7 / Isobutyldihydro-4,6-dimethyl-1,3,5-dithiazine; 2(4)-Isobutyl-4-(2),6-dimethyldihydro(4H)1,3,5-dithiazine / Flavis No. 15.079
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 106-26-3 / Neral / Flavis No. 05.170
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 1504-74-1 / 3-(2-Methoxyphenyl)prop-2-enal; beta-o-Methoxyphenyl acrolein; 3-o-Methoxyphenyl-2-propenal / Flavis No. 05.048

- 2; b; natural products - botanically defined; *Acer spicatum* Lam.: Mountain maple extract CAS 91770-23-9 FEMA 2757 CoE 11 EINECS 294-808-2 / Mountain bark distillate CoE 11
- 2; b; natural products - botanically defined; *Brassica napus* L.: ~~Colewort~~ tincture CoE 94
- 2; b; natural products - botanically defined; *Cassia angustifolia* Vahl, *C. fistula* L.: ~~Alexandrian senna / Cassia a~~ Absolute CoE 115/524 / ~~Alexandrian senna / Cassia~~ Extract CoE 115/524 / ~~Alexandrian senna / Cassia~~ Tincture CoE 115/524
- 2; b; natural products - botanically defined; *Cinnamomum aromaticum* Nees, *C. cassia* Nees ex Blume: Concrete CoE 131 / Oleoresin CAS 84961-46-6 CoE 131 EINECS 284-635-0 / Tincture CoE 131
- 2; b; natural products - botanically defined; *Citrus aurantium* L.: Petitgrain concrete ~~CAS 8014-17-3 CoE 136 EINECS 283-881-6~~
- 2; b; natural products – botanically defined; *Citrus aurantium* L. var *myrtifolia* Ker-Gawl. = *C. aurantium* L. spp. *Amara* var. *pumilia*: Bitter orange extract of whole fruit CoE 138
- 2; b; natural products - botanically defined; *Citrus limon* (L.) Burm.: Lemon concentrate CoE 139 / Lemon distillate CoE 139 / Lemon peel oleoresin CoE 139 / Lemon oil terpeneless CAS 68648-39-5 FEMA 2626 CoE 139 / ~~Lemon essence oil phase CoE 139~~ / Lemon tincture CoE 139 / Lemon terpenes CAS 68917-33-9 CoE 139 / Citrus peels extract CAS 94266-47-4 FEMA 2318 EINECS 304-454-3
- 2; b; natural products - botanically defined; *Cydonia vulgaris* Pers., *Choenomeles japonica* (Thunb.) Lindl. ex Spach, *C. speciosa* (Sweet) Nakai: Quince concentrate CoE 167 / Quince distillate CoE 167 / Quince seed extract CAS 85117-13-1 FEMA 2974 CoE 167
- 2; b; natural products - botanically defined; *Daemonorops draco* Bl. ~~*Geranium robertianum* L.~~: Dragon's blood extract CAS 9000-19-5 FEMA 2404 CoE 100 EINECS 232-530-5 / Dragon's blood tincture CoE 100
- 2; b; natural products - botanically defined; *Daucus carota* L.: Carrot seed absolute CAS 8015-88-1 CoE 173 EINECS 284-545-1 / Carrot seed extract / oleoresin CAS 8015-88-1 CoE 173 EINECS 284-545-1 / Carrot seed oil CAS 8015-88-1 FEMA 2244 CoE 173 EINECS 284-545-1 / Carrot seed oil terpeneless CAS 8015-88-1 CoE 173 EINECS 284-545-1 / ~~Carrot weed extract CAS 8015-88-1 CoE 173 EINECS 284-545-1 / Carrot weed oil CAS 8015-88-1 CoE 173 EINECS 284-545-1~~ / Carrot tincture CoE 173
- 2; b; natural products - botanically defined; *Dracaena draco* (L.): ~~Dragon's blood~~ Distillate / ~~Dragon's blood~~ Concentrate / ~~Dragon's blood~~ Extract / Resin
- 2; b; natural products - botanically defined; *Fragaria virginiana* Mill., *F. chiloensis* (L.) Mill. and *F. vesca* L.: Spraydried CoE 202/203 / Distillate CoE 202/203 / Extract CoE 202/203 / Concentrate CoE 202/203
- 2; b; natural products - botanically defined; *Gentiana macrophylla* Pallas: ~~Siberian gentian leave / Siberian gentian~~ absolute / ~~Siberian gentian~~ extract / ~~Siberian gentian~~ oil
- 2; b; natural products - botanically defined; *Gypsophila struthium* L.: ~~Soapwort~~ absolute / ~~Soapwort~~ extract / ~~Soapwort~~ tincture
- 2; b; natural products - botanically defined; *Leptospermum citratum* Forst.: Tea tree absolute CoE 260 / Tea tree oil ~~lemon-scented~~ CoE 260 / Tea tree tincture CoE 260
- 2; b; natural products - botanically defined; *Lippia citriodora* Kundt.: ~~Verbena~~ Absolute CAS 8024-12-2 CoE 264 EINECS 285-515-0 / ~~Verbena~~ Oil CAS 8024-12-2 CoE 264 EINECS 285-515-0 / ~~Verbena~~ Extract CAS 8024-12-2 CoE 264 / ~~Verbena~~ Tincture CoE 264
- 2; b; natural products - botanically defined; *Malpighia glabra* L.: Acerola absolute / Acerola concentrate / Acerola tincture
- 2; b; natural products - botanically defined; *Mentha spicata* L.: Spearmint extract CAS 84696-51-5 FEMA 3031 CoE 286 (=CoE CoE 284b, 285a, 285c) EINECS 283-656-2 / Spearmint tincture CoE 286

Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- 2; b; natural products - botanically defined; *Mentha viridis* L.: ~~Green Mint~~ Absolute CoE 286 / ~~Green Mint extract~~ CoE 286 / ~~Green Mint oil~~ CoE 286 / ~~Green Mint tincture~~ CoE 286
- 2; b; natural products - botanically defined; *Olea europaea* L.: Olive absolute CAS 8001-25-0 CoE 309 EINECS 232-277-0 / Olive concrete CAS 8001-25-0 CoE 309 EINECS 232-277-0 / Olive tincture CoE 309
- 2; b; natural products - botanically defined; *Opopanax chironium* (L.) Koch, *Commiphora erythrea* Engler: Opopanax absolute CAS 8021-36-1 CoE 313 EINECS 232-558-8 / Opopanax extract resinoid CAS 8021-36-1 CoE 313 EINECS 232-558-8
- 2; b; natural products - botanically defined; *Rheum nobile* Hook. F. et Thoms.: Asian rhubarb absolute / Asian rhubarb extract / Asian rhubarb oil / Asian rhubarb tincture
- 2; b; natural products - botanically defined; *Solanum paniculatum* L.: Jurubeba absolute / Jurubeba extract / Jurubeba oil / Jurubeba tincture
- 2; b; natural products - botanically defined; *Spilanthes acmella* L., *S. oleracea* L.: ~~Jambu~~ Absolute / ~~Jambu~~ Extract / Oleoresin CAS 90131-24-1 FEMA 3783 / ~~Jambu~~ Oil / ~~Jambu~~ Tincture
- 2; b; natural products - botanically defined; *Tabebuia impetiginosa* (Mart. ex DC.) Toledo: ~~Pau d'arco~~ Absolute / ~~Pau d'arco~~ Extract / ~~Pau d'arco~~ Oil
- 2; b; natural products - botanically defined; *Swertia chirata* Buch.-Ham. ex Wall.: ~~Chirata~~ Extract CoE 440 / ~~Chirata~~ Tincture CoE 440
- 2; b; natural products - botanically defined; *Vaccinium macrocarpon* Ait.: ~~Cranberry~~ Spraydried CoE 470 / ~~Cranberry~~ Absolute CoE 470 / ~~Cranberry~~ Concentrate CoE 470 / ~~Cranberry~~ Distillate CoE 470 / ~~Cranberry~~ Extract CoE 470
- 2; b; natural products - botanically defined; *Vetiveria zizanioides* (L.) Nash.: Vetiver absolute CoE 479
- 2; b; natural products - botanically defined; *Withania somnifera* (L.) Dunal. = *Physalis somnifera* Link: ~~Ashwagandha~~ Absolute / ~~Ashwagandha~~ Extract / ~~Ashwagandha~~ Oil
- 2; b; natural products - botanically defined; *Xanthoxylum americanum* Mill., extract
- 2; b; natural products - botanically defined; *Zizyphus japonica* Mart.: ~~Juazeiro~~ Absolute / ~~Juazeiro~~ Extract / ~~Juazeiro~~ Oil / ~~Juazeiro~~ Tincture *Yucca brevifolia* Engelm. = *Y. arborescens* Trel.: ~~Yucca tree~~ / ~~Joshua~~ Absolute / ~~Yucca tree~~ / ~~Joshua~~ Extract / ~~Yucca mohave extract~~ CAS 90147-57-2 FEMA 3121 EINECS 290-449-0 / ~~Yucca tree~~ / ~~Joshua~~ oil / ~~Yucca tree~~ / ~~Joshua~~ tincture

**153<sup>rd</sup> Edition:** published on 16 January 2013

Additions:

- 4; a; Digestibility enhancers; 4a1607; 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 in OJ L 347, 15.12.2012, p. 12
- 4; a; Digestibility enhancers; 4a1642; Endo-1,4-beta-xylanase produced by *Trichoderma koningii* (MUCL 39203) (holder of the authorisation Lyven) [Turkeys for fattening, Turkeys reared for laying]; Commission Implementing Regulation (EU) No 1195/2012 of 13 December 2012 in OJ L 342, 14.12.2012, p. 23

#### Amendments:

- 4; a; Digestibility enhancers; 4a11; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588) (holder of 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 2009 / Amended by Commission Implementing Regulation (EU) No 1196/2012 of 13 December 2012 in OJ L 342, 14.12.2012, p. 25
- 4; a; Digestibility enhancers; 4a18; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 22594) (holder of authorisation DSM Nutritional Products) [Poultry; Pigs for fattening; Piglets (weaned); Sows]; Commission Implementing Regulation (EU) No 837/2012 of 18 September 2012 / Amended by Commission Implementing Regulation (EU) No 1265/2012 of 17 December 2012 in OJ L 356, 22.12.2012, p. 61

#### Corrections:

##### In Annex I

- 2; b; natural products – botanically defined; *Elettaria cardamomum* (L.) Maton: Cardamom oil CAS 85940-32-5 FEMA 2240 CoE 180 EINECS 288-922-1
- 2; b; natural products – botanically defined; *Hypericum perforatum* L.: St. John's wort tincture CoE 234
- 5; Coccidiostats and other medicinal substances; E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) Diclazuril 0,2 g/100 g (Clinacox 0,2 % Premix) (holder of authorisation Janssen Animal Health BVBA) [Chickens reared for laying]; Commission Regulation (EC) No 162/2003 of 30 January 2003/ Amended by Reg No 1519/2007 of 19 December 2007 / Amended by Reg. (EC) No 976/2008 of 6 October 2008 (See also <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF>)
- 5; Coccidiostats and other medicinal substances; E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) Diclazuril 0,2 g/100 g (Clinacox 0,2 % Premix) (holder of authorisation Janssen Animal Health BVBA) [Turkeys for fattening]; Commission Regulation (EC) No 418/2001 of 1 March 2001 / Amended by Reg No 1519/2007 of 19 December 2007 / Amended by Reg. (EC) No 976/2008 of 6 October 2008 (See also <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF>)

##### In Annex II

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 128-50-7 / 10-Hydroxymethylene-2-pinene / Flavis No. 02.141
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 14073-97-3 / (2S-trans)-5Methyl-2-(1-methylethyl)cyclohexanone / ~~Flavis No. 07.222~~
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 141-27-5 / 3,7-Dimethylocta-2,6-dienal / Flavis No. 05.188
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 2100-17-6 / cis-4-pentenal / Flavis No. 05.174
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 32951-19-2 / 1-Buten-1-yl methyl sulfide / Flavis No. 12.211
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 38433-74-8 / 3-Methyl thiohexanal



- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 515-00-4 / 2-Hydroxymethyl-6,6-dimethyl-bicyclo[3.1.1]hept-2-ene; (-)-pin-2-ene-10-ol; 6,6-Dimethyl-2-oxomethylbicyclo[1,3,3]-hept-2-ene; 10-Hydroxy-2-pinene; 2-pinen-10-ol; Myrtenol / Flavis No. 02.091
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 536-50-5 / 1-(4-Methylphenyl)ethan-1-ol; p-alpha-Dimethylbenzyl alcohol; p-Tolyl methyl carbinol; 1-p-Tolyl-1-ethanol; ~~4-Toluene~~; p-Tolyl methyl carbinol / Flavis No. 02.080
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 546-79-2 / 1-Isopropyl-4-methylbicyclo[3.1.0]hexan-4-ol; Sabinene hydrate; Thujan-4-ol / Flavis No. 02.085
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 554-14-3 / 2-Methylthiophene-~~Methyl 2 Thiophene~~ / Flavis No. 15.091
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 5718-75-2 / Thiocineol / ~~Flavis No. ANC CD 5718 75 2~~
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 5724-81-2 / 1-pyrroline / Flavis No. 14.167
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 586-82-3 / 4-Isopropyl-1-methyl-3-cyclohexen-1-ol; 1-Methyl-4-isopropyl-3-cyclohexen-1-ol; ~~p-Menthen 1-ol~~; ~~p 3 Methenol 1~~; 1-Terpinenol / Flavis No. 02.096
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 6119-47-7 / Quinine monohydrochloride dihydrate / Flavis No. 14.155
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 619-01-2 / p-Menth-8-en-2-ol; 8-p-Menthen-2-ol; 6-Methyl-3-isopropenylcyclohexanol; dihydro carveol / Flavis No. 02.061
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 6191-71-5 / cis-4-heptenol / ~~Flavis No CD 6191 71 5~~
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 6258-63-5 / 2-Thiophenemethanethiol ~~Thienyl 2 mercaptan~~ / Flavis No. 15.108
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 6258-63-5 / Thienyl-2 Mercaptan / Flavis No. 15.108
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 72869-75-1 / Diallyl polysulfides / Flavis No. 12.074
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 79-41-4 / 2-methyl propenoic acid / ~~Flavis No. ANC CD 79 41 4~~
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 84642-61-5 / sec-Butan-3-onyl butyrate / Flavis No. 09.264
- 2; b; natural products - botanically defined; *Angelica sylvestris* L.: Wild Angelica root extract CoE 43 / Wild Angelica root tincture CoE 43
- 2; b; natural products - botanically defined; *Boswellia carterii* Birdw., *B. sacra* Flueckiger: Olibanum resinoid / extract CAS 8016-36-2 CoE 93 EINECS 289-620-2 / Olibanum oil CAS 8016-36-2 FEMA 2816 CoE 93 EINECS 232-474-1 / Olibanum absolute CAS 8016-36-2 CoE 93 EINECS 232-474-1
- 2; b; natural products - botanically defined; *Butea frondosa* Roxb. = *B. monosperma* L.: Flame of the forest extract / Flame of the forest tincture
- 2; b; natural products - botanically defined; *Chondrodendron tomentosum* Ruiz et Pav.: Pareira distillate / Pareira extract / Pareira oil / Pareira tincture

- 2; b; natural products - botanically defined; *Cydonia vulgaris* Pers., *Choenomeles japonica* (Thunb.) Lindl. ex Spach, *C. speciosa* (Sweet) Nakai: Quince concentrate CoE 167 / Quince distillate CoE 167 / Quince seed extract CAS 85117-13-1 FEMA 2974 CoE 167
- 2; b; natural products - botanically defined; *Daemonorops draco* Bl., *Geranium robertianum* L.: Dragon's blood extract CAS 9000-19-5 FEMA 2404 CoE 100 EINECS 232-530-5 / Dragon's blood tincture CoE 100
- 2; b; natural products - botanically defined; *Elettaria cardamomum* (L.) Maton: Cardamom oleoresin / extract CAS 8000-66-6 / CoE 180 EINECS 288-922-1 / Cardamom seed oil CAS 8000-66-6 FEMA 2241 CoE 180 EINECS 288-922-1 / ~~Cardamom tincture CoE 18022-1~~ / Cardamom tincture CoE 180
- 2; b; natural products - botanically defined; *Fagus sylvatica* L.: Beechwood creosote CAS 8021-39-4 CoE 195 EINECS 232-419-1
- 2; b; natural products - botanically defined; *Hypericum perforatum* L.: St. John's wort absolute CoE 234 / St. John's wort extract CoE 234
- 2; b; natural products - botanically defined; *Illicium verum* Hook, *Anisum stellatum*: Anise star absolute CAS 8007-70-3 FEMA 2095 CoE 238 EINECS 283-518-1 / ~~Anise star absolute CoE 238~~ / Anise star extract CAS 8007-70-3 FEMA 2096 CoE 238 ~~EINECS~~
- 2; b; natural products - botanically defined; *Krameria triandra* Ruiz et Pav.: Rhatany extract CAS 84775-95-1 FEMA 2979 CoE 253 / Rhatany tincture CoE 253
- 2; b; natural products - botanically defined; *Lactuca sativa* L.: Lettuce extract / Lettuce tincture
- 2; b; natural products - botanically defined; *Laminaria* spp.: Kelp. Absolute CoE 533 / Kelp. Extract CoE 533 / Kelp. Tincture CoE 533
- 2; b; natural products - non plant origin; *Macrobrachium rosenbergii*, *Panadalus borealis*, *Penaeus aztecus*, *P. japonicus* e.a. , *Scylla serrata*, *S. tranquebarica* e.a. , *Panulirus homarus*, *P. ornatus* e.a / Shell extract of
- 2; b; natural products - botanically defined; *Mangifera indica* L.: Mango concentrate CoE 270 / Mango spraydried CoE 270 / Mango distillate CoE 270 / Mango extract CoE 270 / Mango oil CoE 270
- 2; b; natural products - botanically defined; *Nepeta cataria* L.: Catmint (= Catnip) absolute CoE 302 / Catmint (= Catnip) extract CoE 302 / Catmint (= Catnip)oil CoE 302 / Catmint (= Catnip) tincture CoE 302
- 2; b; natural products - botanically defined; *Paliurus spina-christi* P. Mill.: Jerusalem thorn absolute / Jerusalem thorn extract / Jerusalem thorn oil / Jerusalem thorn tincture
- 2; b; natural products - botanically defined; *Pausinystalia yohimbe* Pierre: Yohimbe absolute / Yohimbe extract / Yohimbe tincture
- 2; b; natural products - botanically defined; *Phaseolus vulgaris*, tincture
- 2; b; natural products - botanically defined; *Rhus aromatica* (syn. *Rhus canadensis*) extract
- 2; b; natural products - botanically defined; *Rubus* spp., (e.g. *Rubus fruticosus* L.): Blackberry spraydried CoE 408 / Blackberry concentrate CoE 408 / Blackberry distillate CoE 408 / Blackberry extract CoE 408 / Blackberry bark extract CAS 84787-69-9 FEMA 2155 CoE 408 EINECS 284-110-6
- 2; b; natural products - botanically defined; *Salacia reticulata* Wight: Salacia extract / Salacia tincture
- 2; b; natural products - botanically defined; *Teucrium chamaedrys*, extract

Deletions:

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 5870-68-8 / Ethyl 3-methylvalerate / Flavis No. 09.547
- 2; b; natural products - botanically defined; *Lippia spp.*: Oregano oleoresin / extract CAS 8007-11-2 / 84012-24-8 FEMA 2827  
Duplicate entry
- 2; b; natural products - botanically defined; *Nepeta cataria* L.: Catnip. Absolute CoE 302 / Catnip. Extract CoE 302 / Catnip. Oil CoE 302 / Catnip. Tincture CoE 302  
Was a duplicate of *Nepeta cataria* L.: Catmint
- Enzymes; 5; Preparation of endo-1,4-beta-xylanase EC 3.2.1.8 produced by *Aspergillus oryzae* (DSM 10287) [Pigs for fattening; Ducks]; Reg. (EC) No 2036/2005 of 14 December 2005; Replaced by 4a1607  
Transitional measures in article 4 of Commission Implementing Regulation (EU) No 1206/2012 of 14 December 2012 in OJ L 347, 15.12.2012, p. 12

**152<sup>nd</sup> Edition:** published on 4 December 2012

Additions:

- 1; k; 2 – Microorganisms; 1k20731; *Lactobacillus plantarum* (DSM 3676); Commission Implementing Regulation (EU) No 1119/2012 of 29.11.2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; 1k20732; *Lactobacillus plantarum* (DSM 3677); Commission Implementing Regulation (EU) No 1119/2012 of 29.11.2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; 1k20733; *Lactobacillus buchneri* (DSM 13573); Commission Implementing Regulation (EU) No 1119/2012 of 29.11.2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; 1k2104; *Pediococcus acidilactici* (CNCM MA 18/5M) (DSM 11673); Commission Implementing Regulation (EU) No 1119/2012 of 29.11.2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; 1k2105; *Pediococcus pentosaceus* (DSM 23376) = *Pediococcus pentosaceus* NCIMB 30171; Commission Implementing Regulation (EU) No 1119/2012 of 29.11.2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; 1k2106; *Pediococcus pentosaceus* NCIMB 12455; Commission Implementing Regulation (EU) No 1119/2012 of 29.11.2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; 1k2107; *Pediococcus pentosaceus* (NCIMB 30168); Commission Implementing Regulation (EU) No 1119/2012 of 29.11.2012 in OJ L 330, 30.11.2012, p. 14

Deletions:

- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* DSM 13573; Replaced by 1k20733; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 3676; Replaced by 1k20731; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 3677; Replaced by 1k20732; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* CNCM MA 18/5M; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29; Replaced by 1k2104; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 in OJ L 330, 30.11.2012, p. 14

- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* DSM 11673; Replaced by 1k2104; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* NCIMB 12455; Replaced by 1k2106; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 in OJ L 330, 30.11.2012, p. 14
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* NCIMB 30171; Replaced by 1k2105; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1119/2012 of 29 November 2012 in OJ L 330, 30.11.2012, p. 14

Corrections:

- 1; k; 2 – Microorganisms; 1k20716; *Lactobacillus plantarum* (DSM 23375) = *Lactobacillus plantarum* AK 5106 DSM 20174
- 1; k; 2 – Microorganisms; 1k20717; *Lactobacillus plantarum* (CNCM I-3235) = *Lactobacillus plantarum* CNCM I-3235 / ATCC 8014
- 1; k; 2 – Microorganisms; 1k20718; *Lactobacillus plantarum* (DSM 19457) = *Lactobacillus plantarum* IFA 961; k; 2 – Microorganisms; 1k20722; *Lactobacillus plantarum* (CNCM MA 18/5U) = *Lactobacillus plantarum* DSM 11672
- 1; k; 2 – Microorganisms; 1k20721; *Lactobacillus plantarum* (LMG-21295) = *Lactobacillus plantarum* MiLAB 393
- 1; k; 2 – Microorganisms; 1k20722; *Lactobacillus plantarum* (CNCM MA 18/5U) = *Lactobacillus plantarum* DSM 11672
- 1; k; 2 – Microorganisms; 1k20725; *Lactobacillus plantarum* (ATCC PTSA-6139) = *Lactobacillus plantarum* 24011
- 1; k; 2 – Microorganisms; 1k20726; *Lactobacillus plantarum* (DSM 18112) = *Lactobacillus plantarum* LP286 DSM 4784 ATCC 53187
- 1; k; 2 – Microorganisms; 1k20727; *Lactobacillus plantarum* (DSM 18113) = *Lactobacillus plantarum* LP318 DSM 4785
- 1; k; 2 – Microorganisms; 1k20728; *Lactobacillus plantarum* (DSM 18114) = *Lactobacillus plantarum* LP319 DSM 4786
- 1; k; 2 – Microorganisms; 1k20729; *Lactobacillus plantarum* (ATCC 55943) = *Lactobacillus plantarum* LP346 DSM 4787 ATCC 55943
- 1; k; 2 – Microorganisms; 1k20730; *Lactobacillus plantarum* (ATCC 55944) = *Lactobacillus plantarum* LP347 DSM 5284

**151<sup>st</sup> Edition:** published on 20 November 2012

Additions:

- 1; k; 2 – Microorganisms; 1k20716; *Lactobacillus plantarum* (DSM 23375); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20717; *Lactobacillus plantarum* (CNCM I-3235); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20718; *Lactobacillus plantarum* (DSM 19457); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20719; *Lactobacillus plantarum* (DSM 16565); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20720; *Lactobacillus plantarum* (DSM 16568); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15

Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- 1; k; 2 – Microorganisms; 1k20721; *Lactobacillus plantarum* (LMG-21295); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20722; *Lactobacillus plantarum* (CNCM MA 18/5U); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20723; *Lactobacillus plantarum* NCIMB 30094; Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20724; *Lactobacillus plantarum* (VTT E-78076); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20725; *Lactobacillus plantarum* (ATCC PTSA-6139); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20726; *Lactobacillus plantarum* (DSM 18112); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20727; *Lactobacillus plantarum* (DSM 18113); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20728; *Lactobacillus plantarum* (DSM 18114); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20729; *Lactobacillus plantarum* (ATCC 55943); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; 1k20730; *Lactobacillus plantarum* (ATCC 55944); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 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 authorisation Danisco Animal Nutrition) [Minor poultry species other than ducks]; Commission Implementing Regulation (EU) No 1021/2012 of 6 November 2012 in OJ L 307, 07.11.2012. p. 68

#### Deletions:

- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* (DSM 16565); Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29; Replaced by 1k20719; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* (DSM 16568); Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29; Replaced by 1k20720; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* 24011 Replaced by 1k20725; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* AK 5106 DSM 20174 Replaced by 1k20716; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* CNCM I-3235 / ATCC 8014; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29; Replaced by 1k20717; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 11672 = *Lactobacillus plantarum* CNCM MA 18/5U Replaced by 1k20722; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15

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Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* IFA 96 Replaced by 1k20718; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* LP286 DSM 4784 ATCC 53187 Replaced by 1k20726; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* LP318 DSM 4785 Replaced by 1k20727; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* LP319 DSM 4786 Replaced by 1k20728; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* LP346 DSM 4787 ATCC 55943 Replaced by 1k20729; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* LP347 DSM 5284 ATCC 55944 Replaced by 1k20730; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* MiLAB 393 LMG-21295; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29 Replaced by 1k20721; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* NCIMB 30094 Replaced by 1k20723; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* VTT E-78076 Replaced by 1k20724; Transitional measures in article 2 of Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012 in OJ L 314, 14.11.2012, p. 15

Amendment:

- 4; a; Digestibility enhancers; 4a62; endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) (holder of the authorisation BASF SE) [Chickens for fattening, Ducks]; Reg. (EC) No 1096/2009 of 16 November 2009 in OJ L 301, 17.11.2009, p. 3 / Amended by Commission Implementing Regulation (EU) No 1019/2012 of 6 November 2012 in OJ L 307, 07.11.2012, p. 60
- 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 / Amended by Reg (EC) No 897/2009 of 25 September 2009 in OJ L 256, 29.09.2009, p. 8 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- 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 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- 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 / Amended by Reg (EC) No 897/2009 of 25 September 2009 in OJ L 256, 29.09.2009, p. 8 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56

- 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 / Amended by Reg (EC) No 897/2009 of 25 September 2009 in OJ L 256, 29.09.2009, p. 8 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- 4; b; Gut flora stabilisers; 4b1711; *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) (holder of the authorisation LALLEMAND SAS) [Lambs]; Reg. (EC) No 1293/2008 of 18 December 2008 in OJ L 340, 19.12.2008, p. 38 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- 4; b; Gut flora stabilisers; 4b1711; *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) (holder of the authorisation LALLEMAND SAS) [Dairy goats, dairy sheep]; Reg. (EC) No 226/2007 in OJ L 64, 02.03.2007, p. 26 / Corrigendum DE in OJ L 84, 24.03.2007, p. 46 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Calsporin) (holder of the authorisation Calpis Co., Ltd Represented in the Community by Orffa International Holding BV) [Chickens for fattening]; Reg. (EC) No 1444/2006 of 29 September 2006 in OJ L 271, 30.09.2006, p. 19 / Amended by REG (EC) No 164/2008 of 23 February 2008 in OJ L 50, 23.02.2008, p 6 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- 4; b; Gut flora stabilisers; 4b1821; *Bacillus subtilis* DSM 17299 (O35) (holder of authorisation Chr. Hansen A/S) [Chickens for fattening]; Reg. (EC) No 1137/2007 of 1 October 2007 in OJ L 265, 02.10.2007, p. 5 / Amended by Reg (EC) No 203/2009 of 16 March 2009 in Amended by OJ L 71, 17.03.2009, p. 11 / Amended by Reg (EU) No 515/2010 of 15 June 2010 in Amended by OJ L 150, 16.06.2010, p. 44 / Amended by Commission Implementing Regulation (EU) No 881/2011 of 2 September 2011 in OJ L 228, 03.09.2011, p. 9 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; 12; *Lactobacillus farciminis* CNCM MA 67/4R [Chickens for fattening; Turkeys for fattening; Laying hens]; Reg. (EC) 1876/2006 in OJ L 360, 19.12.2006, p. 126 / Corrigendum in OJ L 43, 15.02.2007, p. 42 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Cattle for fattening]; Reg. (EC) No 316/2003 of 19 February 2003 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 46, 20.02.2003, p. 15 / Amended by OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Dairy cows]; Reg. (EC) No 1811/2005 in OJ L 291, 05.11.2005, p. 12 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Lambs for fattening]; Reg. (EC) No 1447/2006 of 29 September 2006 in OJ L 271, 30.09.2006, p. 28 / Amended by Reg (EC) No 897/2009 of 25 September 2009 in OJ L 256, 29.09.2009, p. 8 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Piglets (Weaned)]; Reg. (EC) No 2148/2004 of 16 December 2004 in OJ L 370, 17.12.2004, p. 24 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56

- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Sows]; Reg. (EC) No 1288/2004 in OJ L 243, 15.07.2004, p. 10 / Corrigendum CS in OJ L 143, 03.06.2008, p. 55 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012; in Amended by OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1703; *Saccharomyces cerevisiae* CNCM I-1079 [Piglets]; Reg. (EC) No 1847/2003 of 20 October 2003 in OJ L 269, 21.10.2003, p. 3 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1703; *Saccharomyces cerevisiae* CNCM I-1079 [Sows]; Reg. (EC) No 2036/2005 of 14 December 2005 in OJ L 328, 15.12.2005, p. 13 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1704; *Saccharomyces cerevisiae* CBS 493.94 [Calves; Cattle for fattening]; Reg. (EC) No 1288/2004 in OJ L 243, 15.07.2004, p. 10 / Amended by Reg. (EC) No 1812/2005 in OJ L 291, 05.11.2005, p. 18 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1704; *Saccharomyces cerevisiae* CBS 493.94 [Dairy cows]; Reg. (EC) No 1811/2005 in OJ L 291, 05.11.2005, p. 12 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1710; *Saccharomyces cerevisiae* MUCL 39885 [Cattle for fattening]; Reg. (EC) No 492/2006 in OJ L 89, 27.03.2006, p. 6 / Amended by Commission Implementing Regulation (EU) No 333/2012 of 19 April 2012 in OJ L 108, 20.04.2012, p. 3 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012; in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1711; *Saccharomyces cerevisiae* CNCM I-1077 [Dairy cows; Cattle for fattening]; Reg. (EC) No 1200/2005 in OJ L 195, 27.07.2005, p. 6 / Amended by Reg. (EU) No 104/2010 in OJ L 35, 06.02.2010, p. 4 / Amended by Reg. (EU) No 170/2011 in OJ L 49, 24.02.2011, p. 8 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1712; *Pediococcus acidilactici* CNCM MA 18/5M [Pigs for fattening]; Reg. (EC) No 2036/2005 of 14 December 2005 in OJ L 328, 15.12.2005, p. 13 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1712; *Pediococcus acidilactici* CNCM MA 18/5M [Chickens for fattening]; Reg. (EC) No 1200/2005 in OJ L 195, 27.07.2005, p. 6 / Amended by Reg. (EU) No 104/2010 in OJ L 35, 06.02.2010, p. 4 / Amended by Reg. (EU) No 170/2011 in OJ L 49, 24.02.2011, p. 8 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1714; *Lactobacillus farciminis* CNCM MA 67/AR [Piglets (Weaned)]; Reg. (EC) No 492/2006 in OJ L 89, 27.03.2006, p. 6 / Amended by Commission Implementing Regulation (EU) No 333/2012 of 19 April 2012 in OJ L 108, 20.04.2012, p. 3 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 307, 07.11.2012, p. 56
- Micro-organisms; E 1715; *Lactobacillus acidophilus* D2/CSL CECT 4529 [Laying hens]; Reg. (EC) No 1520/2007 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 333, 20.12.2007, p. 54 in OJ L 307, 07.11.2012, p. 56



## 150<sup>th</sup> Edition: published on 26 October 2012

### Additions:

- 1; k; 2 – Microorganisms; 1k2111; *Propionibacterium acidipropionici* CNCM MA 26/4U; Commission Implementing Regulation (EU) No 990/2012 of 25 October 2012 in OJ L 297, 26.10.2012, p. 15
- 3; b; Compounds of trace elements; 3b609; **Zinc – Zn**, Zinc chloride hydroxide monohydrate [All species]; Commission Implementing Regulation (EU) No 991/2012 of 25 October 2012 in OJ L 297, 26.11.2012, p. 18
- 4; a; Digestibility enhancers; 4a9; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (MULC 49755) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (MULC 49754) (holder of authorisation Aveve NV) [Laying hens and minor poultry species for fattening and laying]; Commission Implementing Regulation (EU) No 989/2012 of 25 October 2012 in OJ L 297, 26.10.2012, p. 11

### Deletion:

- 1; k; 2 – Microorganism; *Propionibacterium acidipropionici* CNCM MA 26/4U; Replaced by 1k2111; Subject to provisions of art. 2 of Commission Implementing Regulation (EU) No 990/2012 of 25 October 2012

### Corrections:

#### Entries modified in Annex II

- 2; b; natural or corresponding synthetic chemically defined flavourings; ~~CAS No. \*/~~ Prenyl benzoate / Flavis No. 09.693
- 2; b; natural or corresponding synthetic chemically defined flavourings; ~~CAS No. /~~ 2,6,6-Trimethyl-1-cyclohexen-1-carboxaldehyde / Flavis No. 05.121
- 2; b; natural or corresponding synthetic chemically defined flavourings; ~~CAS No. /~~ 2-Ethyl-(3,5 or 6)-methoxypyrazine (85%) and 2-Methyl-(3,5 or 6)-methoxypyrazine (13%) / Flavis No. 14.077
- 2; b; natural or corresponding synthetic chemically defined flavourings; ~~CAS No. /~~ Hexadecano-1,5-lactone / Flavis No. 10.049
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 91-20-3 / naphthalene; naphthene; ~~Champer tar~~ / Flavis No. 01.053
- 2; b; natural products - botanically defined; ~~Cocoa CoE 452 /~~ *Eucalyptus fruticetorum* F. v. Muell. ex Miq. Blue mallee oil / Blue mallee tincture

## 149<sup>th</sup> Edition: published on 18 October 2012

### Additions:

#### Entries added in Annex II

- 2; b; natural products – botanically defined; *Arctium majus* Bernh. = *A. lappa* L.: Great burdock extract CoE 57 [All species with the exception of Cats and dogs]
- 2; b; natural products - botanically defined; *Helianthus annuus* L.: Sunflower extract [All species with the exception of Cats and dogs]

Corrections:

Additives moved from annex II to Annex I.

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 112-30-1 / Decan-1-ol / Flavis No. 02.024
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 15679-12-6 / 2-Ethyl 4-methylthiazole / Flavis No. 15.033
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 578-58-5 / 2,5-Dimethylphenol / Flavis No. 04.019
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 593-81-7 / Trimethylamine hydrochloride / Flavis No. 11.024
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 67-03-8 / Thiamine hydrochloride / Flavis No. 16.027
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 94-46-2 / Isopentyl benzoate / Flavis No. 09.755
- 2; b; natural products - botanically defined; *Helianthus annuus* L.: Sunflower absolute / Sunflower oil / Sunflower tincture

Entries modified in Annex I.

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 4180-23-8 / 1-Methoxy-4-(prop-1(trans)-enyl)benzene / Flavis No. 04.010
- 2; b; natural products – botanically defined; *Boswellia serrata* Roxb. ex Colebr.: Olibanum extract [Cats and dogs]
- 2; b; natural products – botanically defined; *Coriandrum sativum* L.: Coriander oil CAS 8008-52-4 FEMA 2334 CoE 154 EINECS 283-880-0 / Coriander extract CAS 8008-52-4 FEMA 2334 CoE 154 EINECS 283-880-0 / Coriander leaf oil CoE 154
- 2; b; natural products – botanically defined; *Echinacea angustifolia* DC.: Blacksamson echinacea extract [Cats and dogs]
- 2; b; natural products – botanically defined; *Echinacea purpurea* (L.) Moench.: Echinacea absolute / Echinacea extract [Cats and dogs]
- 2; b; natural products – botanically defined; *Eugenia caryophyllus* (C. Spreng.) Bull. = *Caryophyllus aromaticum* L. = *Syzygium aromaticum* L.: Clove leaf oil CAS 8000-34-8 FEMA 2325 CoE 188 EINECS 284-638-7 / Clove stem oil CAS 8000-34-8 FEMA 2328 CoE 188 / Clove tincture CoE 188 / Clove bud oleoresin CAS 84961-50-2 FEMA 2324 CoE 188 EINECS 284-638-7 / Clove bud oil CAS 8000-34-8 FEMA 2323 CoE 188 EINECS 284-638-7
- 2; b; natural products – botanically defined; *Ferula assa-foetida* L, Asafoetida extract / Asafoetida oil CAS 9000-04-8 FEMA 2108 CoE 196
- 2; b; natural products – botanically defined; *Garcinia cambogia* Desrouss.: Garcinia extract [Cats and dogs]
- 2; b; natural products – botanically defined; *Gentiana lutea* L. = *G. purpurea* L.: Gentian tincture CoE 214
- 2; b; natural products – botanically defined; *Ginkgo biloba* L.: Ginkgo extract / [All species]
- 2; b; natural products – botanically defined; *Glycyrrhiza glabra* L.: Licorice extract CAS 97676-23-8 FEMA 2628 CoE 218 EINECS 272-837-1 / Licorice tincture CoE 218 / Licorice extract powder CAS 68916-91-6 FEMA 2629 CoE 218 EINECS 272-837-1

- 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 / Hyssop. Extract CAS 84603-66-7 FEMA 2590 CoE 235 EINECS 283-266-3 / Hyssop. Tincture CoE 235 [Cats and dogs]
- 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 / Anise star oil terpenless CAS 8007-70-3 CoE 238 EINECS 283-518-1
- 2; b; natural products – botanically defined; *Leptospermum scoparium* J. R. et G. Forst.: Broom teatree oil
- 2; b; natural products – botanically defined; *Levisticum officinale* Koch: Lovage root oil CAS 8016-31-7 FEMA 2651 CoE 261 EINECS 284-292-7 / Lovage extract CAS 8016-31-7 FEMA 2650 CoE 261 EINECS 284-292-7 / Lovage leaf oil CAS 8016-31-7 CoE 261 EINECS 284-292-7 / Lovage tincture CoE 261 [Cats and dogs]
- 2; b; natural products – botanically defined; *Medicago sativa* L.: Alfalfa tincture CoE 274
- 2; b; natural products – botanically defined; *Passiflora edulis* Sims. = *P. incarnata* L.: Passionfruit extract CoE 321 / Passionfruit tincture CoE 321
- 2; b; natural products – botanically defined; *Plantago ovata* L.: Fleawort absolute / Fleawort extract / Fleawort oil / Fleawort tincture [Cats and dogs]
- 2; b; natural products – botanically defined; *Thymus vulgaris* L., *T. zygis* L.: Thyme oil CAS 8007-46-3 FEMA 3064 CoE 456/457 EINECS 284-535-7 / oleoresin CAS 8007-46-3 CoE 456/457 EINECS 284-535-7 / Thyme oleoresin red CAS 8007-46-3 CoE 456/457 EINECS 284-535-7 / Thyme oleoresin grey CoE / Thyme oil red CAS 8007-46-3 CoE 456 EINECS 284-535-7 / Thyme oil white CAS 8007-46-3 FEMA 3065 CoE 457 EINECS 284-535-7 / Thyme extract / Thyme tincture CoE 456/457

#### Entries modified in Annex II

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 136954-25-1 / 3-Acetyl mercapto hexyl acetate
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 13925-08-1 / 2-methyl-5-vinyl pyrazine
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 140-67-0 / Estragol
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 207983-28-6 / Methyl 3-(Methylthio) butanoate
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 3054-92-0 / 2,3,4-Trimethyl-3-pentanol
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 38433-74-8 / 3-Methyl thio hexanal
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 38888-81-2 / 2-isobutyl-3,5(6)-dimethyl pyrazine
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 65817-24-5 / 2-(4-Methyl-2-hydroxyphenyl) propionic acid-gamma-lactone
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 83-88-5 / riboflavin
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 84060-80-0 / (Z)-3-Hexenyl(e)-2-methyl-2-butenolate

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 85409-36-5 / 2-methylbutyrate citronellyl
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 90-00-6 / 2-Ethyl phenol
- 2; b; natural products - botanically defined; *Anthemis nobilis* L.: Chamomile flower oil, English CAS 8015-92-7 FEMA 2272 CoE 48 EINECS 283-467-5 / Chamomile flower oil, Roman CAS 8015-92-7 FEMA 2275 CoE 48 EINECS 283-467-5 / Chamomile flower extract, Roman CAS 8015-92-7 FEMA 2274 CoE 48 EINECS 283-467-5 / ~~Chamomile flower tincture CoE 48~~
- 2; b; natural products - botanically defined; *Arctium majus* Bernh. = *A. Lappa* L.: Great burdock oil CoE 57
- 2; b; natural products - botanically defined; *Boswellia serrata* Roxb. ex Colebr.: Olibanum absolute / Olibanum oil
- 2; b; natural products - botanically defined; *Cinnamomum aromaticum* Nees, *C. cassia* Nees ex Blume: Cassia concrete CoE 131 / Cassia oleoresin CAS 84961-46-6 CoE 131 EINECS 284-635-0 / Cassia leaf oil CAS 8015-91-6 FEMA 2292 CoE 131 EINECS 284-635-0 / Cassia tincture CoE 131
- 2; b; natural products - botanically defined; *Citrus limon* (L.) Burm.: Lemon concentrate CoE 139 / Lemon distillate CoE 139 / ~~Lemon extract CAS 84929 31 7 FEMA 2623 CoE 139~~ / Lemon peel oleoresin CoE 139 / Lemon oil terpeneless CAS 68648-39-5 FEMA 2626 CoE 139 / Lemon essence oil phase CoE 139 / Lemon tincture CoE 139 / Lemon terpenes CAS 68917-33-9 CoE 139 / Citrus peels extract CAS 94266-47-4 FEMA 2318 EINECS 304-454-3
- 2; b; natural products - botanically defined; ~~Clover tops red CoE 459~~ / ~~Asafoetida oil CAS 9000-04-8 FEMA 2108 CoE 196~~ / *Ferula assa-foetida* L.: Asafoetida fluid extract CAS 9000-04-8 FEMA 2106 CoE 196 / Asafoetida tincture CoE 196
- 2; b; natural products - botanically defined; *Cymbopogon winterianus* Jowitt = *C. nardus* (L.) W. Wats.: Citronella CoE 39 / ~~Citronella absolute CoE 39~~ / ~~Citronella oil CAS 8000-29-1 FEMA 2308 CoE 39 EINECS 289-753-6~~ / Citronella tincture CoE 39
- 2; b; natural products - botanically defined; *Echinacea angustifolia* DC.: Blacksamson echinacea extract / ~~Blacksamson echinacea absolute~~ / ~~Blacksamson echinacea oil~~ [All species with the exception of Cats and dogs]
- 2; b; natural products - botanically defined; *Echinacea purpurea* (L.) Moench.: Echinacea extract [All species with the exception of Cats and dogs]
- 2; b; natural products - botanically defined; *Eugenia caryophyllus* (C. Sprengn.) Bull. = *Caryophyllus aromaticum* L. = *Syzygium aromaticum* L.: Clove bud absolute CAS 8000-34-8 CoE 188 EINECS 284-638-7 / Clove bud extract CAS 84961-50-2 FEMA 2322 CoE 188 EINECS 284-638-7 / ~~Clove bud oleoresin CAS 84961 50 2 FEMA 2324 CoE 188 EINECS 284 638 7~~ / ~~Clove bud oil CAS 8000 34 8 FEMA 2323 CoE 188 EINECS 284 638 7~~
- 2; b; natural products - botanically defined; *Garcinia cambogia* Desrouss.: Garcinia extract [All species with the exception of Cats and dogs]
- 2; b; natural products - botanically defined; *Gentiana lutea* L. = *G. purpurea* L.: Gentian root extract CAS 72968-42-4 FEMA 2506 CoE 214 EINECS 277-139-0 / Gentian oil CoE 214
- 2; b; natural products - botanically defined; *Ginkgo biloba* L.: Ginkgo absolute / Ginkgo oil

- 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
- 2; b; natural products - botanically defined; *Illicium verum* Hook, *Anisum stellatum*: Anise star absolute CAS 8007-70-3 FEMA 2095 CoE 238 EINECS 283-518-1 / Anise star absolute CoE 238 / Anise star extract CAS 8007-70-3 FEMA 2096 CoE 238 EINECS-~~Anise star oil terpeneless CAS 8007-70-3 CoE 238 EINECS 283-518-1~~
- 2; b; natural products - botanically defined; *Levisticum officinale* Koch: Lovage root oil CAS 8016-31-7 FEMA 2651 CoE 261 EINECS 284-292-7 [All species with the exception of cats and dogs]
- 2; b; natural products - botanically defined; *Lippia spp.*: Oregano oleoresin / extract CAS 8007-11-2 / 84012-24-8 FEMA 2827 / ~~Oregano tincture~~
- 2; b; natural products - botanically defined; *Melaleuca viridiflora* Soland ex Gaertn.: Niaouli absolute / Niaouli extract / ~~Niaouli oil~~ / Niaouli tincture
- 2; b; natural products - botanically defined; *Passiflora edulis* Sims. = *P. incarnata* L.: Passionfruit spraydried CoE 321 / Passionfruit concentrate CoE 321 / ~~Passionfruit distillate CoE 321 / Passionfruit essence oil CoE 321 / Passionfruit extract CoE 321 / Passionfruit tincture CoE 321~~
- 2; b; natural products - botanically defined; *Pinus palustris* Mill.: Longleaf pine oil CoE 340 / Longleaf pine tincture CoE 340 / ~~Pine oil white CAS 8002-09-3 CoE 340 / pine tincture~~ Pine tar oil CAS 97435-14-8 FEMA 2907 CoE 340
- 2; b; natural products - botanically defined; *Pinus spp.*, e.g. *P. sylvestris* L.: ~~Pine tincture CoE 340~~ Pine tar oil CAS 97435-14-8 FEMA 2907 CoE 340
- 2; b; natural products - botanically defined; *Plantago ovata* L.: Fleawort absolute-~~Fleawort extract / Fleawort oil / Fleawort tincture~~ [All species with exception of cats and dogs]
- 2; b; natural products - botanically defined; *Rosmarinus officinalis* L.: Rosemary absolute CAS 8000-25-7 FEMA 2992 CoE 406 EINECS 283-291-9 / ~~extract CAS 8000-25-7 FEMA 2992 CoE 406 EINECS 283-291-9~~ / Rosemary oil terpeneless CAS 68917-54-4 CoE 406 EINECS 283-291-9
- 2; b; natural products - botanically defined; *Thymus vulgaris* L., *T. zygis* L.: Thyme absolute CAS 8007-46-3 FEMA 3064 CoE 456 EINECS 284-535-7 / ~~Thyme oil red CAS 8007-46-3 CoE 456 EINECS 284-535-7 / Thyme oil white CAS 8007-46-3 FEMA 3065 CoE 457 EINECS 284-535-7~~ / Thyme terpenes CoE 456/457
- 2; b; natural products - botanically defined; *Trachyspermum ammi* (L.) Sprag. et Turr. = *Carum copticum* L.: Ajowan absolute CoE 111 / Ajowan extract CoE 111 / ~~Ajowan oil CoE 111~~ / Ajowan tincture CoE 111

## Deletions

### Entries deleted from Annex I

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 464-49-3 / d-Camphor / Flavis No. 07.006
- 2; b; natural products – botanically defined; *Ginkgo biloba* L.: Ginkgo extract [Cats and dogs]

### Entries deleted from Annex II

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 21662-09-9 / 2-Dodecenal / Flavis No. 05.137

Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- 2; b; natural products - botanically defined; *Arctium majus* Bernh. = *A. Lappa* L.: Great burdock oil CoE 57
- 2; b; natural products - botanically defined; *Glycyrrhiza glabra* L.: Licorice extract powder CAS 68916-91-6 FEMA 2629 CoE 218 EINECS 272-837-1
- 2; b; natural products - botanically defined; Hemlock needles and twigs CoE 461 / Meadow sweet oil CoE 199 / Meadow sweet extract CoE 199 / Meadow sweet tincture CoE 199
- 2; b; natural products - botanically defined; *Thea sinensis* L.: Tea distillate CoE 451 / Tea extract CoE 451
- 2; b; natural products - botanically defined; *Trachyspermum ammi* (L.) Sprag. et Turr. = *Carum copticum* L.: Ajowan absolute CoE 111 / Ajowan extract CoE 111 / Ajowan oil CoE 111 / Ajowan tincture CoE 111

**148<sup>th</sup> Edition:** published on 2 October 2012

Additions:

- 1; k; 2 – Microorganisms; 1k20713; *Lactobacillus plantarum* (NCIMB 41028); Commission Implementing Regulation (EU) No 841/2012 of 18 September 2012 in OJ L 252, 19.09.12, p. 17
- 1; k; 2 – Microorganisms; 1k20714; *Lactobacillus plantarum* (NCIMB 30148); Commission Implementing Regulation (EU) No 841/2012 of 18 September 2012 in OJ L 252, 19.09.12, p. 17
- 1; k; 2 – Microorganisms; 1k20715; *Lactobacillus brevis* (DSM 21982); Commission Implementing Regulation (EU) No 838/2012 of 18 September 2012 in OJ L 252, 19.09.12, p. 9
- 2; a; Colourants, (i) substances that add or restore colour in feedingstuffs; 2a122; Azorubine or carmoisine (Disodium 4-hydroxy-3- (4-sulfonato-1-naphthylazo) naphthalene-1-sulfonate) [Cats and dogs]; Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 in OJ L 257, 25.09.12, p. 3
- 2; b; Flavouring compounds; 2b16058; Naringin / (2S)-4H-1-Benzopyran-4-one,7-((2-O-(6-deoxy-alpha-L-mannopyranosyl)-beta-D- glucopyranosyl) oxy)-2,3-dihydro-5- hydroxy-2-(4-hydroxyphenyl) / CAS number 10236-47-2 / FLAVIS 16.058; Commission Implementing Regulation (EU) No 870/2012 of 24 September 2012 in OJ L 257, 25.09.12, p. 10
- 2; b; Flavouring compounds; 2b957; Thaumatin / EINECS: 258-822-2; Commission Implementing Regulation (EU) No 869/2012 of 24 September 2012 in OJ L 257, 25.09.12, p. 7
- 3; d; Urea and its derivatives; 3d1; Urea [Ruminants with a functional rumen]; Commission Implementing Regulation (EU) No 839/2012 of 18 September 2012 in OJ L 252, 19.09.12, p. 11
- 4; a; Digestibility enhancers; 4a1640; 6-Phytase / EC 3.1.3.26 produced by *Schizosaccharomyces pombe* (ATCC 5233) Liquid and solid form: 5 000 FTU/g; (holder of the authorisation Danisco Animal Nutrition (legal entity Danisco (UK) Limited)) [All avian species for fattening other than chickens for fattening, turkeys for fattening and ducks for fattening; All avian species for laying other than laying hens]; Commission Implementing Regulation (EU) No 840/2012 of 18 September 2012; OJ L 252, 19.09.12, p. 14
- 4; a; Digestibility enhancers; 4a18; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 22594) (holder of authorisation DSM Nutritional Products) [Poultry; Pigs for fattening; Piglets (weaned); Sows]; Commission Implementing Regulation (EU) No 837/2012 of 18 September 2012 in OJ L 252, 19.09.12, p. 7

- 4; a; Digestibility enhancers; 4a62; endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) (holder of the authorisation BASF SE) [Turkeys reared for breeding; Ornamental birds, minor avian species except ducks and laying birds.]; Commission Implementing Regulation (EU) No 843/2012 of 18 September 2012 in OJ L 252, 19.09.12, p. 23
- 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, 20.09.12, p. 8
- 4; d; Other zootechnical additives; 4d1; Lanthanum carbonate octahydrate (Lantharenol) (holder of the authorisation Bayer Animal Health GmbH) [Dogs]; Commission Implementing Regulation (EU) No 842/2012 of 18 September 2012 in OJ L 252, 19.09.12, p. 21
- 4; d; Other zootechnical additives; 4d7; Ammonium chloride (holder of the authorisation Latochema Co. Ltd) [Lambs for fattening]; Commission Implementing Regulation (EU) No 832/2012 of 17 September 2012 in OJ L 251, 18.09.12, p. 27

#### Deletion:

- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* Aber F1 NCIMB 41028; Replaced by 1k20713; See Commission Implementing Regulation (EU) No 841/2012 of 18 September 2012 for labelling requirements and transitional measures.
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* L54 NCIMB 30148; Replaced by 1k20714; See Commission Implementing Regulation (EU) No 841/2012 of 18 September 2012 for labelling requirements and transitional measures.
- 2; a; Other colourants; *Relevant E number*; Carmoisine E 122; Replaced by 2a122; See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 for labelling requirements and transitional measures.
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 53850-34-3 / Thaumatin; Replaced by 2b957; See Commission Implementing Regulation (EU) No 869/2012 of 24 September 2012 for labelling requirements and transitional measures.
- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 10236-47-2 / Naringin / Flavis No. 16.058; Replaced by 2b16058; See Commission Implementing Regulation (EU) No 870/2012 of 24 September 2012 for labelling requirements and transitional measures.
- 3; d; Urea and its derivatives; 2.1.1.; Urea, technically pure; Dir. 84/433/EEC in OJ L 245, 14.09.1984, p. 21; Replaced by 3d1; Urea [Ruminants with a functional rumen]; See Commission Implementing Regulation (EU) No 839/2012 of 18 September 2012 for labelling requirements and transitional measures.

#### Correction:

- Entries "*Thea sinensis* L. = *Chamellia thea* Link. = *Chamellia sinensis*";  
Minor typo corrected "*Thea sinensis* L. = *Camellia thea* Link. = *Camellia sinensis*"

**147<sup>th</sup> Edition:** published on 6 September 2012

Deletion:

- 2; b; natural products – botanically defined; *Thea sinensis* L.: Tea tincture CoE 451.  
Reason: Part of *Thea sinensis* L. = *Chamellia thea* Link. = *Chamellia sinensis* (L.) O. Kuntze:  
Tea extract CAS 84650-60-2 CoE 451 EINECS 283-519-7 / Tea tincture CoE 451

Information:

- Lasalocid A sodium and Diclazuril additives.  
Information added about Commission Regulation (EU) No 744/2012 of 16 August 2012 amending Annexes I and II to Directive 2002/32/EC of the European Parliament and of the Council as regards maximum levels for arsenic, fluorine, lead, mercury, endosulfan, dioxins, *Ambrosia spp.*, diclazuril and lasalocid A sodium and action thresholds for dioxins.

**146<sup>th</sup> Edition:** published on 31 July 2012

Corrections:

- Micro-organisms; E 1704; *Saccharomyces cerevisiae* CBS 493.94 [Calves; Cattle for fattening]; Reg. (EC) No 1288/2004 in OJ L 243, 15.07.2004, p. 10 / Amended by Reg. (EC) No 1812/2005.  
Links to the OJ corrected.

**145<sup>th</sup> Edition:** published on 11 June 2012

Corrections:

- CAS No. 5205-07-2 / 3-Methylbut-3-enyl acetate / Flavis No. 9655; Typo corrected: CAS No. 5205-07-2 / 3-Methylbut-3-enyl acetate / Flavis No. 09.655
- CAS No. 7774-82-5 / 2-Tridecenal / Flavis No. 5195; Typo corrected: CAS No. ~~7774-82-5~~ 7069-41-2 / 2-Tridecenal / Flavis No. 05.195

Deletion:

- In annex II only: CAS No. 5205-07-2 / 3-Methyl-3-butenyl acetate / Flavis No. 09.655 is deleted (duplicate)
- In annex II only: CAS No. 27829-72-7 / Ethyl hex-2-enoate / Flavis No. 09.190 is deleted (duplicate)
- In annex II only: CAS No. 24683-00-9 / 2-methoxy-3(6)-isobutyl-pyrazine / Flavis No. 14.043 is deleted (duplicate)
- In annex II only: CAS No. 13925-08-1 / 2-Methyl-5-vinyl pyrazine / Flavis No. 13925-08-1 is deleted (duplicate + typo)
- In annex II only: CAS No. 63450-30-6 / 2,5 or 6-Methoxy-3-methylpyrazine / Flavis No. 14.025 is deleted (duplicate)



Deletions:

The following additives are withdrawn by Commission Implementing Regulation (EU) No 451/2012 of 29 May 2012 in OJ L 140, 30.05.2012, p. 55 and are subject to the transitional measures of article 2 thereof.

- 1; k; 1 – Enzymes; Alpha-amylase EC 3.2.1.1 from *Bacillus subtilis var amyloliquefaciens*
- 1; k; 1 – Enzymes; Amylase EC 3.2.1.1 from *Aspergillus oryzae*
- 1; k; 1 – Enzymes; Amylase EC 3.2.1.1 from malt
- 1; k; 1 – Enzymes; Beta-1,4 Glucanase cellulase EC 3.2.1.4 from *Aspergillus niger*
- 1; k; 1 – Enzymes; Beta-1,4 Xylanase EC 3.2.1.37 from *Trichoderma reesei*
- 1; k; 1 – Enzymes; Beta-glucanase EC 3.2.1.6 from *Trichoderma viride*
- 1; k; 1 – Enzymes; Cellulase EC 3.2.1.4 from *Penicillium funiculosum*
- 1; k; 1 – Enzymes; Cellulase EC 3.2.1.4 from *Trichoderma reesei*
- 1; k; 1 – Enzymes; Cellulase EC 3.2.1.4 from *Trichoderma viride*
- 1; k; 1 – Enzymes; Cellulase-hemicellulase complex EC 3.2.1.4 from *Trichoderma reesei*
- 1; k; 1 – Enzymes; Cellulase-xylanase complex EC 3.2.1.4 from *Trichoderma reesei*
- 1; k; 1 – Enzymes; Endo-1,3-beta-glucanase EC 3.2.1.6 from *Bacillus amyloliquefaciens*
- 1; k; 1 – Enzymes; Endo-1,4-beta-D-mannanase EC 3.2.1.78 from *Bacillus lentus*
- 1; k; 1 – Enzymes; Endo-1,4-beta-glucanase EC 3.2.1.4 from *Trichoderma longibrachiatum*
- 1; k; 1 – Enzymes; Endo-1,4-beta-glucanase EC 3.2.1.6 from *Bacillus amyloliquefaciens*
- 1; k; 1 – Enzymes; Endo-1,4-beta-xylanase EC 3.2.1.8. from *Aspergillus oryzae*
- 1; k; 1 – Enzymes; Glucoamylase EC 3.2.1.3. from *Aspergillus niger*
- 1; k; 1 – Enzymes; Glucose oxidase EC 1.1.3.4 from *Aspergillus niger*
- 1; k; 1 – Enzymes; Hemicellulase EC 3.2.1.8 from *Aspergillus niger*
- 1; k; 1 – Enzymes; Mannanase EC 3.2.1.77 from *Aspergillus niger*
- 1; k; 1 – Enzymes; Pectinase EC 3.2.1.15 from *Aspergillus niger*
- 1; k; 1 – Enzymes; Xylanase EC 3.2.1.8 from *Aspergillus niger*
- 1; k; 1 – Enzymes; Xylanase EC 3.2.1.8 from *Penicillium funiculosum*
- 1; k; 1 – Enzymes; Xylanase EC 3.2.1.8 from *Trichoderma reesei*
- 1; k; 2 – Microorganisms; *Aspergillus oryzae* AK 7001 DSM 1862
- 1; k; 2 – Microorganisms; *Bacillus coagulans* CECT 7001
- 1; k; 2 – Microorganisms; *Bacillus lentus* 302
- 1; k; 2 – Microorganisms; *Bacillus licheniformis* DSM 5749
- 1; k; 2 – Microorganisms; *Bacillus licheniformis* MBS-BL-01
- 1; k; 2 – Microorganisms; *Bacillus licheniformis* Micron Bio-Systems culture collection
- 1; k; 2 – Microorganisms; *Bacillus pumilus* BP288 ATCC 53682
- 1; k; 2 – Microorganisms; *Bacillus pumilus* CNCM I-3240 / NRRL B4064

- 1; k; 2 – Microorganisms; *Bacillus pumilus* MBS-BP-01
- 1; k; 2 – Microorganisms; *Bacillus pumilus* Micron Bio-Systems culture collection
- 1; k; 2 – Microorganisms; *Bacillus subtilis* AK 6012 DSM 8563
- 1; k; 2 – Microorganisms; *Bacillus subtilis* BS1
- 1; k; 2 – Microorganisms; *Bacillus subtilis* CNCM I-3239 / ATCC 6633
- 1; k; 2 – Microorganisms; *Bacillus subtilis* DSM 5750
- 1; k; 2 – Microorganisms; *Bacillus subtilis* Micron Bio-Systems culture collection
- 1; k; 2 – Microorganisms; *Bacillus subtilis* NCIMB 40286
- 1; k; 2 – Microorganisms; *Bifidobacterium animalis subsp. Lactis* CHCC5445 / DSM15954
- 1; k; 2 – Microorganisms; *Bifidobacterium longum* CNCM I-3241 / ATCC 15707
- 1; k; 2 – Microorganisms; *Candida glabrata* 35120
- 1; k; 2 – Microorganisms; *Clostridium sporogenes phage* NCIMB 30008
- 1; k; 2 – Microorganisms; *Clostridium tyrobutyricum phage* NCIMB 30008
- 1; k; 2 – Microorganisms; *Enterococcus faecium* AP34
- 1; k; 2 – Microorganisms; *Enterococcus faecium* CECT 7002
- 1; k; 2 – Microorganisms; *Enterococcus faecium* CNCM DASF I-1248
- 1; k; 2 – Microorganisms; *Enterococcus faecium* CNCM I-819
- 1; k; 2 – Microorganisms; *Enterococcus faecium* DSM 15958
- 1; k; 2 – Microorganisms; *Enterococcus faecium* DSM 16567
- 1; k; 2 – Microorganisms; *Enterococcus faecium* DSM 16573
- 1; k; 2 – Microorganisms; *Enterococcus faecium* DSM 5464
- 1; k; 2 – Microorganisms; *Enterococcus faecium* M74 CCM 6226
- 1; k; 2 – Microorganisms; *Enterococcus faecium* NCAIM
- 1; k; 2 – Microorganisms; *Enterococcus faecium* NCIMB 30006
- 1; k; 2 – Microorganisms; *Enterococcus faecium* NCIMB 30098
- 1; k; 2 – Microorganisms; *Enterococcus faecium* NCIMB 30122
- 1; k; 2 – Microorganisms; *Enterococcus mundtii* 82760
- 1; k; 2 – Microorganisms; *Lactobacillus acidophilus* 36587
- 1; k; 2 – Microorganisms; *Lactobacillus acidophilus* CHCC3777 / DSM13241
- 1; k; 2 – Microorganisms; *Lactobacillus acidophilus* CNCM DALA I-1246
- 1; k; 2 – Microorganisms; *Lactobacillus acidophilus* NCAIM
- 1; k; 2 – Microorganisms; *Lactobacillus acidophilus* NCIMB 30067
- 1; k; 2 – Microorganisms; *Lactobacillus amylolyticus* CBS 116420
- 1; k; 2 – Microorganisms; *Lactobacillus amylovorans* DSM 16251
- 1; k; 2 – Microorganisms; *Lactobacillus brevis* DSM 16570
- 1; k; 2 – Microorganisms; *Lactobacillus brevis* KKP. 839
- 1; k; 2 – Microorganisms; *Lactobacillus brevis* NCIMB 8038

- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* 71044
- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* 71065
- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* BIO 73
- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* NCIMB 30137
- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* NCIMB 30138
- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* NCIMB 8007
- 1; k; 2 – Microorganisms; *Lactobacillus bulgaricus* MA 547/3M
- 1; k; 2 – Microorganisms; *Lactobacillus casei* CCM 3775
- 1; k; 2 – Microorganisms; *Lactobacillus casei* CHCC2115
- 1; k; 2 – Microorganisms; *Lactobacillus casei* CNCM DA LC I-1247
- 1; k; 2 – Microorganisms; *Lactobacillus casei* MA 67/4U
- 1; k; 2 – Microorganisms; *Lactobacillus casei* NCIMB 11970
- 1; k; 2 – Microorganisms; *Lactobacillus casei* NCIMB 30007
- 1; k; 2 – Microorganisms; *Lactobacillus casei rhamnosus* LC 705 DSM 7061
- 1; k; 2 – Microorganisms; *Lactobacillus farciminis* MA27/6B
- 1; k; 2 – Microorganisms; *Lactobacillus fermentum* DSM 16250
- 1; k; 2 – Microorganisms; *Lactobacillus helveticus* CNCM DALH I-1251
- 1; k; 2 – Microorganisms; *Lactobacillus mucosae* DSM 16246
- 1; k; 2 – Microorganisms; *Lactobacillus paracasei* DSM 16572
- 1; k; 2 – Microorganisms; *Lactobacillus paracasei ssp. Paracasei* DSM 11394
- 1; k; 2 – Microorganisms; *Lactobacillus paracasei ssp. Paracasei* DSM 11395
- 1; k; 2 – Microorganisms; *Lactobacillus paracasei subsp. Paracasei* CNCM I-3292 / P4126
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* 24001
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* 252
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* 50050
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* 88
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* AMY LMG-P22548
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* C KKP/783/p
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* CCM 3769
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* CNCM DALP. I-1250
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* CNCM I-820
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* CNCM MA 27/5M
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 12187
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 13367
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 13543
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 13544
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 13545

- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 13546
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 13547
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 13548
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 16247
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 16571
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 16682
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 4784
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 4904
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 8427
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 8428
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 8862
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 8866
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSMZ 15683
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSMZ 16627
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* EU/EEC 1/24476
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* KKP/788/p
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* L43 NCIMB 30146
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* L44 NCIMB 30147
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* L58
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* MA 541/2E
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* Micron Bio-Systems culture collection
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* NCIMB 12422
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* NCIMB 30004
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* NCIMB 30114
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* NCIMB 30115
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* NCIMB 30170
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* PL3/CSL
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* PL6/CSL
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* PLA/CSL
- 1; k; 2 – Microorganisms; *Lactobacillus reuteri* CNCM MA28/6E-g
- 1; k; 2 – Microorganisms; *Lactobacillus reuteri* CNCM MA28/6U-g
- 1; k; 2 – Microorganisms; *Lactobacillus reuteri* DSM 16248
- 1; k; 2 – Microorganisms; *Lactobacillus reuteri* DSM 16249
- 1; k; 2 – Microorganisms; *Lactobacillus rhamnosus* MA27/6R
- 1; k; 2 – Microorganisms; *Lactobacillus sakei* DSM 16564
- 1; k; 2 – Microorganisms; *Lactobacillus sakei* subsp. *Sakei* AK 5115 DSM 20017
- 1; k; 2 – Microorganisms; *Lactococcus lactis* CNCM I-3291 / ATCC 7962

- 1; k; 2 – Microorganisms; *Lactococcus Lactis* NCIMB 30149
- 1; k; 2 – Microorganisms; *Lactococcus lactis subsp. Lactis biovar diacetylactis* CHCC2237
- 1; k; 2 – Microorganisms; *Lactococcus lactis subsp. Lactis* CHCC2871
- 1; k; 2 – Microorganisms; *Leuconostoc mesenteroides* DSM 8865
- 1; k; 2 – Microorganisms; *Leuconostoc oeno* LO1
- 1; k; 2 – Microorganisms; *Leuconostoc pseudomesenteroides* CHCC2114
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* AK 5201 DSM 20284
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* CNCM MA 151/5R
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* DSM 10313
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* DSM 13946
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* ET 6
- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* NCIMB 30005
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* 69221
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* AP35
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* CCM 3770
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* CNCM MA 25/4J
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* DSM 16566
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* DSM 16569
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* HTS LMG P-22549
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* Micron Bio-Systems culture collection
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* EU/EEC 2124476
- 1; k; 2 – Microorganisms; *Propionibacterium freudenreichii shermanii* JS DSM 7067
- 1; k; 2 – Microorganisms; *Propionibacterium freudenreichii subsp. Shermanii* AK 5502 DSM 4902
- 1; k; 2 – Microorganisms; *Propionibacterium globosum* CNCM DAPB I-1249
- 1; k; 2 – Microorganisms; *Propionibacterium shermanii* ATCC 9614
- 1; k; 2 – Microorganisms; *Propionibacterium shermanii* MBS-PS-01
- 1; k; 2 – Microorganisms; *Propionibacterium sp.* DSM 9576
- 1; k; 2 – Microorganisms; *Propionibacterium sp.* DSM 9577
- 1; k; 2 – Microorganisms; *Rhodopseudomonas palustris* ATTC 17001
- 1; k; 2 – Microorganisms; *Saccharomyces cerevisiae* 37584
- 1; k; 2 – Microorganisms; *Saccharomyces cerevisiae* 80566
- 1; k; 2 – Microorganisms; *Serratia rubidaea* NCIMB 40285
- 1; k; 2 – Microorganisms; *Streptococcus cremoris* CNCM DASC I-1244
- 1; k; 2 – Microorganisms; *Streptococcus faecium* 36 KKP. 880
- 1; k; 2 – Microorganisms; *Streptococcus thermophilus* CHCC3021
- 1; k; 2 – Microorganisms; *Streptococcus thermophilus* CNCM DAST I-1245

- 1; k; 3- Substances; Ammonium acetate
- 1; k; 3- Substances; Ammonium acetate tetrahydrate
- 1; k; 3- Substances; Ammonium benzoate
- 1; k; 3- Substances; Ammonium bisulphite
- 1; k; 3- Substances; Ammonium dipropionate
- 1; k; 3- Substances; Attapulgit (clay) CAS No. 12174-11-7
- 1; k; 3- Substances; E 210; Benzoic acid
- 1; k; 3- Substances; E 222; Sodium bisulphite
- 1; k; 3- Substances; E 223; Sodium metabisulphite
- 1; k; 3- Substances; E 285; Methylpropionic acid
- 1; k; 3- Substances; E 507; Hydrochloric acid
- 1; k; 3- Substances; E 513; Sulphuric acid
- 1; k; 3- Substances; Ethyl benzoate
- 1; k; 3- Substances; Hexamethylene tetramine [All species with the exception of Bovines; Ovines; Pigs; Poultry; Rabbits; Horses; Goats]
- 1; k; 3- Substances; Hydrogen peroxide
- 1; k; 3- Substances; Isobutyric acid
- 1; k; 3- Substances; Methenamine
- 1; k; 3- Substances; Potassium bisulphite
- 1; k; 3- Substances; Potassium formate
- 1; k; 3- Substances; Potassium sulphate
- 1; k; 3- Substances; Silicon dioxide
- 1; k; 3- Substances; Sodium sulphite
- 1; k; 3- Substances; Sodium thiosulphate
- 1; k; 3- Substances; Tannin extract from sweet chestnut wood (*Castanea sativa* Mill, CAS No.1401-55-4)

Corrections:

- 5; Coccidiostats and histomonostats; 5 1 758; Robenidine hydrochloride 66 g/kg (~~Cycostat 66G~~ Robenz 66 G) (holder of the authorisation Pfizer Ltd.) [Rabbits for breeding; Rabbits for fattening].  
Cycostat 66G replaced by Robenz 66 G.
- 5; Coccidiostats and other medicinal substances; E 758; Robenidine hydrochloride 66 g/kg (~~Cycostat 66G~~ Robenz 66 G) (holder of the authorisation Pfizer Ltd.) [Chickens for fattening; Turkeys].  
Cycostat 66G replaced by Robenz 66 G.

**143<sup>rd</sup> Edition:** published on 21 May 2012

#### Amendments:

- 4a; 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 / Corrigendum in OJ L 173 of 03.07.2008, p. 31 / Amended by REG. (EU) No 879/2010 of 6 October 2010 / Amended by Commission Implementing Regulation (EU) No 414/2012 of 15 May 2012 in OJ L 128, 16.05.2012, p. 5
- 4d; Other zootechnical additives; 4d 5; Sodium benzoate (holder of the authorisation Kemira Oyj) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 496/2011 of 20 May 2011 / Amended by Commission Implementing Regulation (EU) No 413/2012 of 15 May 2012 in OJ L 128 16.05.2012, p. 4

**142<sup>nd</sup> Edition:** published on 20 April 2012

#### Additions:

- 1; a; Preservatives; 1a237a; Potassium diformate; Commission Implementing Regulation (EU) No 333/2012 of 19 April 2012 in OJ L 108, 20.04.2012, p. 3
- 4; b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* CNCM I-4407 (holder of the authorisation Société Industrielle Lesaffre) [Rabbits for fattening and non food- producing rabbits]; Commission Implementing Regulation (EU) No 334/2012 of 19 April 2012 in OJ L 108, 20.04.2012, p. 6

#### Deletions:

- 1; a; Preservatives; 237a; Potassium diformate; Reg. (EC) No 492/2006 in OJ L 89, 27.03.2006, p. 6.  
Authorisation replaced by 1a237a
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Rabbits for fattening]; Reg. (EC) No 600/2005 in OJ L 99, 19.04.2005, p. 5  
Authorisation replaced by 4b1702

#### Amendments:

- Reg. (EC) No 492/2006 / Amended by Commission Implementing Regulation (EU) No 333/2012 of 19 April 2012 in OJ L 108, 20.04.2012, p. 3.  
Deletion of 237 a
- Reg. (EC) No 600/2005 / Amended by Commission Implementing Regulation (EU) No 334/2012 of 19 April 2012 in OJ L 108, 20.04.2012, p. 6  
Deletion of E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Rabbits for fattening]

#### Correction:

- Entry corrected: 5; Coccidiostats and other medicinal substances; E 763; Lasalocid A sodium 15 g/100g (Avatec 15 % cc; Avatec 150 G) (holder of the authorisation Pfizer Ltd.) [Chickens for fattening; Chickens reared for laying].

## 141<sup>st</sup> Edition: published on 16 April 2012

### Deletion:

- 1; k; 3- Substances; Propylene glycol (=1.18. Propane-1,2-diol)  
In application of Commission Regulation (EU) No 892/2010 of 8 October 2010 on the status of certain products with regard to feed additives within the scope of Regulation (EC) No 1831/2003 of the European Parliament and of the Council published in OJ L266 of 9.10.2010, p. 6., some products are no longer considered as feed additives within the scope of Regulation (EC) No 1831/2003. They will be removed from the Register when the Regulations will enter into force, on October 29.  
( <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:266:0006:0009:EN:PDF> )

### Corrections:

- Minor typos in Annex II.

## 140<sup>th</sup> Edition: published on 27 March 2012

### Additions:

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 4691-65-0 / Disodium Inosine-5-Mono-phosphate (IMP)  
This entry is now in Annex I.
- 2; b; natural products - botanically defined; *Cymbopogon citratus* (DC.) Staph = *C. flexuosus* L.: Lemongrass oil CAS 8007-02-1 FEMA 2624 CoE 38 EINECS 289-752-0.  
This form of the additive is now in Annex I
- 3; b; Trace elements; 3b409; **Copper – Cu**, Dicopper chloride trihydroxide; Commission Implementing Regulation (EU) No 269/2012 of 26 March 2012 in OJ L 89, 27.03.2012, p. 3

### Correction:

- 2; b; natural products – botanically defined; *Citrus limon* (L.) Burm.: Lemon extract CAS 84929-31-7 FEMA 2623 CoE 139 / Lemon oil distilled CAS 8008-56-8 CoE 139 EINECS 284-515-8 / Lemon oil expressed CAS 84929-31-7 FEMA 2625 CoE 139 EINECS 284-515-8  
In Annex I, the form "Lemon oil expressed CAS 84929-31-7 FEMA 2625 CoE 139 EINECS 284-515-8" is added.

### Deletion:

- 2; b; natural or corresponding synthetic chemically defined flavourings; CAS No. 4691-65-0 / Disodium Inosine-5-Mono-phosphate (IMP)  
This entry is deleted from Annex II (moved to Annex I).
- 2; b; natural products - botanically defined; *Citrus limon* (L.) Burm.: Lemon concentrate CoE 139 / Lemon distillate CoE 139 / Lemon extract CAS 84929-31-7 FEMA 2623 CoE 139 / Lemon peel oleoresin CoE 139 / **Lemon oil expressed CAS 84929-31-7 FEMA 2625 CoE 139 EINECS 284-515-8** / Lemon oil terpeneless CAS 68648-39-5 FEMA 2626 CoE 139 / Lemon essence oil phase CoE 139 / Lemon tincture CoE 139 / Lemon terpenes CAS 68917-33-9 CoE 139 / Citrus peels extract CAS 94266-47-4 FEMA 2318 EINECS 304-454-3  
The form "Lemon oil expressed CAS 84929-31-7 FEMA 2625 CoE 139 EINECS 284-515-8" is deleted from Annex II (moved to Annex I).



- 2; b; natural products - botanically defined; *Cymbopogon citratus* (DC.) Stapf = *C. flexuosus* L.: Lemongrass extract CAS 8007-02-1 CoE 38 / Lemongrass oil CAS 8007-02-1 FEMA 2624 CoE 38 EINECS 289-752-0 / Lemongrass tincture CoE 38  
The form " Lemongrass oil CAS 8007-02-1 FEMA 2624 CoE 38 EINECS 289-752-0" is deleted from Annex II (moved to annex I).

### 139<sup>th</sup> Edition: published on 20 March 2012

#### Additions:

- 1; k; 2 – Microorganisms; 1k2083; *Lactococcus lactis* (NCIMB 30117); Commission Implementing Regulation (EU) No 227/2012 of 15 March 2012 in OJ L 77, 16.03.2012, p. 8
- 4; a; Digestibility enhancers; 4a17; Preparation of alpha-galactosidase (EC 3.2.1.22) produced by *Saccharomyces cerevisiae* (CBS 615.94) and endo-1,4-beta-glucanase (EC 3.2.1.4) produced by *Aspergillus niger* (CBS 120604), solid form (holder of the authorisation Kerry Ingredients and Flavours) [Chickens for fattening]; Commission Implementing Regulation (EU) No 237/2012 of 19 March 2012 in OJ L 80, 20.03.2012, p. 1

#### Amendment:

- 4; d; Other zootechnical additives; 4d210; Benzoic acid (VevoVital) (holder of the authorisation Emerald Kalama Chemical BV) [Piglets (Weaned)]; Reg. (EC) No 1730/2006 of 23 November 2006 / Amended by Commission Implementing Regulation (EU) No 1190/2011 of 18 November 2011 / Amended by Commission Implementing Regulation (EU) No 226/2012 of 15 March 2012 in OJ L 77 16.03.2012, p. 6

### 138<sup>th</sup> Edition: published on 12 March 2012

#### Additions:

- 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 authorisation Aveve NV) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 1088/2011 of 27 October 2011 in OJ L 281, 28.10.2011, p. 14

#### Corrigendum:

- 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 authorisation Aveve NV) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 1088/2011 of 27 October 2011 in OJ L 281, 28.10.2011, p. 14 / Corrigendum PL in OJ L 68 of 7 March 2012, p. 43

### 137<sup>th</sup> Edition: published on 27 February 2012

#### Additions:

- 5; Coccidiostats and histomonostats; 51701; Monensin sodium (Coxidin; carrier Perlite, Calcium Carbonate) (holder of the authorisation Huvepharma NV Belgium) [Chickens reared for laying]; Commission Implementing Regulation (EU) No 140/2012 of 17 February 2012 in OJ L 47, 18.02.2012, p. 18

Removal :

*NOTA: The entries are grayed and will be removed in the next edition of the Register.*

- Micro-organisms; 25; *Lactobacillus acidophilus* DSM 13241 [Cats; Dogs]; Reg. (EC) No 600/2005 in OJ L 99, 19.04.2005, p. 5; Application withdrawn by applicant.

**136<sup>th</sup> Edition:** published on 17 February 2012

Additions:

- 1; j; Acidity regulators; 1j514ii; Sodium bisulphate; Commission Implementing Regulation (EU) No 136/2012 of 16 February 2012 in OJ L 46, 17.02.2012, p. 33
- 2; b; Flavouring compounds; 1j514ii; Sodium bisulphate; Commission Implementing Regulation (EU) No 136/2012 of 16 February 2012 in OJ L 46, 17.02.2012, p. 33.  
N.B. This additive has the same identification number for both authorisations.
- 4; d; Other zootechnical additives; 4d6; Preparation of caraway oil, lemon oil with dried herbs and spices (holder of the authorisation Delacon Biotechnik GmbH) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 131/2012 of 15 February 2012 in OJ L 43, 16.02.2012, p. 5

**135<sup>th</sup> Edition:** published on 13 February 2012

Amendment:

- 5; Coccidiostats and histomonostats; 5 1 763; Lasalocid A sodium 15 g/100g (Avatec 150 G) CAS number: 25999-20-6 (holder of authorisation ~~Alpha~~ ~~pharma (Belgium) BVBA~~ Pfizer Ltd.) [Turkeys]; REG. (EU) No 874/2010 of 5 October 2010 / Corrigendum in OJ L 264 of 07.10.2010 p. 19 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 in OJ L 263, 06.10.2010, p. 1 / Corrigendum OJ L 264 07.10.2010 p. 19 / Amended by OJ L 38, 11.02.2012, p. 36 (Change of authorisation holder)
- 5; Coccidiostats and histomonostats; 5 1 763; Lasalocid A sodium 15 g/100g (Avatec 150 G) CAS number: 25999-20-6 (holder of authorisation ~~Alpha~~ ~~pharma (Belgium) BVBA~~ Pfizer Ltd.) [Turkeys]; REG. (EU) No 874/2010 of 5 October 2010 / Corrigendum in OJ L 264 of 07.10.2010 p. 19 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 in OJ L 263, 06.10.2010, p. 1 / Corrigendum OJ L 264 07.10.2010 p. 19 / Amended by OJ L 38, 11.02.2012, p. 36 (Change of authorisation holder)
- 5; Coccidiostats and histomonostats; 5 1 763; Lasalocid A sodium 15 g/100g (Avatec 150 G) CAS number: 25999-20-6 (holder of authorisation ~~Alpha~~ ~~pharma (Belgium) BVBA~~ Pfizer Ltd.) [Pheasants; guinea fowl; quails and partridges except laying birds thereof.]; Commission Implementing Regulation (EU) No 900/2011 of 7 September 2011 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 in OJ L 231, 08.09.2011, p. 15 / Amended by OJ L 38, 11.02.2012, p. 36 (Change of authorisation holder)
- 5; Coccidiostats and histomonostats; 5 1 770; Maduramicin ammonium alpha 10 g/kg (Cygro 10 G) (holder of authorisation ~~Alpha~~ ~~pharma (Belgium) BVBA~~ Pfizer Ltd.) [Chicken for fattening]; Commission Implementing Regulation (EU) No 388/2011 of 19 April 2011 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 in OJ L 104, 20.04.2011, p. 3 / Amended by OJ L 38, 11.02.2012, p. 36 (Change of authorisation holder)

- 5; Coccidiostats and other medicinal substances; E 756; Decoquinat – 60,6 g/kg (Deccox) (holder of the authorisation ~~Alpharma (Belgium) BVBA~~ Pfizer Ltd) [Chickens for fattening]; Reg. (EC) No 1289/2004 / Corrigendum CS in OJ L 143, 03.06.2008, p. 55 / Amended by Reg. (EC) No 552/2008 of 17 June 2008 / Corrigendum PL in OJ L 303, 22.11.2011, p. 49 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 in OJ L 243, 15.07.2004, p. 15 / Corrigendum CS in OJ L 143, 03.06.2008, p. 55 / Amended by OJ L 158, 18.06.2008, p. 3 / Corrigendum PL in OJ L 303, 22.11.2011, p. 49 / Amended by OJ L 38, 11.02.2012, p. 36 (Change of authorisation holder)
- 5; Coccidiostats and other medicinal substances; E 758; Robenidine hydrochloride 66 g/kg (Cycostat 66 G) (holder of the authorisation ~~Alpharma (Belgium) BVBA~~ Pfizer Ltd.) [Chickens for fattening; Turkeys]; Reg. (EC) No 1800/2004 / Amended by Reg. (EC) No 101/2009 of 3 February 2009 / Amended by Reg. (EC) No 214/2009 of 18 March 2009 / Amended by Commission Implementing Regulation (EU) No 532/2011 of 31 May 2011 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 in OJ L 317, 16.10.2004, p. 37 / Amended by OJ L 34, 04.02.2009, p. 5 / Amended by OJ L 73, 19.03.2009, p. 12 / Amended by OJ L 146, 01.06.2011, p. 7 / Amended by OJ L 38, 11.02.2012, p. 36 (Change of authorisation holder and changes in annex))
- 5; Coccidiostats and other medicinal substances; E 763; Lasalocid A sodium 15 g/100g (Avatec 15 % cc; Avatec 150 G) (holder of the authorisation ~~Alpharma (Belgium) BVBA~~ Pfizer Ltd.) [Chickens for fattening; Chickens reared for laying]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Reg. (EC) No 1455/2004 / Amended by Reg. (EC) No 2037/2005 of 14 December 2005 / Corrigendum FR in OJ L 335/59 21.12.2005 / Corrigendum CS in OJ L 77 24.03.2010 p. 60 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012; OJ C 50, 25.02.2004, p. 1 / OJ L 269, 17.08.2004, p.14 / Amended by OJ L 328, 15.12.2005, p. 21 / Corrigendum FR OJ L 335, 21.12.2005, p. 59 / Corrigendum CS OJ L 77 24.03.2010 p. 60 / Amended by OJ L 38, 11.02.2012, p. 36
- 5; Coccidiostats and other medicinal substances; E 766; Salinomycin sodium 120 g/kg (Salinomax 120G) (holder of the authorisation ~~Alpharma (Belgium) BVBA~~ Pfizer Ltd.) [Chickens for fattening]; Reg. (EC) No 600/2005 / Amended by Reg. (EC) No 496/2007 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 in OJ L 99, 19.04.2005, p. 5 / Amended by OJ L 117. 07.05.2007, p. 9.05 / Amended by OJ L 38, 11.02.2012, p. 36 (Change of authorisation holder)
- 5; Coccidiostats and other medicinal substances; E 770; Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) (holder of authorisation ~~Alpharma (Belgium) BVBA~~ Pfizer Ltd) [Turkeys]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Reg. (EC) No 2380/2001 of 5 December 2001 / Amended by Reg. (EC) No 552/2008 of 17 June 2008 / Amended by Commission Implementing Regulation (EU) No 406/2011 of 27 April 2011 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 (Change of authorisation holder)

**134<sup>th</sup> Edition:** published on 8 February 2012

**Information:**

The list of modifications to the Register for versions 51 to 125 is now available on page [http://ec.europa.eu/food/food/animalnutrition/feedadditives/comm\\_register\\_feed\\_additives\\_1831-03\\_annex3b.pdf](http://ec.europa.eu/food/food/animalnutrition/feedadditives/comm_register_feed_additives_1831-03_annex3b.pdf)

**Additions:**

- 4a; Digestibility enhancers; 4a16; Preparation 6-phytase (EC 3.1.3.26) produced by *Pichia pastoris* (DSM 23036) (holder of the authorisation Huvepharma AD) [Chickens for fattening;

Chickens reared for laying; Laying hens; Other avian species other than turkeys for fattening and turkeys reared for breeding; Sows; Turkeys for fattening; Turkeys reared for breeding; Pigs for fattening; Piglets (weaned)]; Commission Implementing Regulation (EU) No 98/2012 of 7 February 2012 in OJ L 35, 08.02.2012. p. 6

### **133<sup>rd</sup> Edition:** published on 6 February 2012

Additions:

- 1k; 2 – Microorganisms; 1k20812; *Lactobacillus plantarum* (DSM 8862 and DSM 8866); Commission Implementing Regulation (EU) No 93/2012 of 3 February 2012 in OJ L 33, 04.02.2012, p. 1
- 4b; Gut flora stabilisers; 4b1824; *Bacillus subtilis* (CBS 117162) (holder of authorisation Krka d.d.) [Piglets (weaned); Pigs for fattening]; Commission Implementing Regulation (EU) No 91/2012 of 2 February 2012 in OJ L 31, 03.02.2012, p. 3

### **132<sup>nd</sup> Edition:** published on 2 February 2012

Removal :

*NOTA: The entries are grayed and will be removed in the next edition of the Register.*

- 1k; 2 – Microorganisms; *Lactobacillus pentosus* (DSM 14025). Denial of authorisation. Commission Implementing Regulation (EU) No 81/2012 of 31 January 2012 concerning the denial of authorisation of *Lactobacillus pentosus* (DSM 14025) in OJ L 29 of 1.2.2012, p. 36 (<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:029:0036:0037:en:PDF> )

### **131<sup>st</sup> Edition:** published on 12 December 2011;

Corrigendum:

- 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

### **130<sup>th</sup> Edition:** published on 6 December 2011

Additions:

- 1; k; 2 – Microorganisms; 1k20710; *Lactobacillus brevis* (DSM 12835); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k20711; *Lactobacillus rhamnosus* (NCIMB 30121); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k2074; *Lactobacillus buchneri* (DSM 16774); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3

- 1; k; 2 – Microorganisms; 1k2075; *Lactobacillus buchneri* (DSM 12856); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k2076; *Lactobacillus paracasei* (DSM 16245); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k2077; *Lactobacillus paracasei* (DSM 16773); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k2078; *Lactobacillus plantarum* (DSM 12836); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k2079; *Lactobacillus plantarum* (DSM 12837); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k2081; *Lactococcus lactis* (DSM 11037); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k2082; *Lactococcus lactis* (NCIMB 30160); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k2102; *Pediococcus acidilactici* (DSM 16243); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3
- 1; k; 2 – Microorganisms; 1k2103; *Pediococcus pentosaceus* (DSM 12834); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011 in OJ L 322, 06.12.2011, p. 3

#### Removals:

- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* DSM 16774;  
Replaced by new authorisation 1k2074
- 1; k; 2 – Microorganisms; *Lactobacillus buchneri* DSM 12856;  
Replaced by new authorisation 1k2075
- 1; k; 2 – Microorganisms; *Lactobacillus paracasei* DSM 16245;  
Replaced by new authorisation 1k2076
- 1; k; 2 – Microorganisms; *Lactobacillus paracasei* DSM 16773;  
Replaced by new authorisation 1k2077
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 12836;  
Replaced by new authorisation 1k2078
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 12837;  
Replaced by new authorisation 1k2079
- 1; k; 2 – Microorganisms; *Lactobacillus brevis* DSM 12835;  
Replaced by new authorisation 1k20710
- 1; k; 2 – Microorganisms; *Lactobacillus rhamnosus* NCIMB 30121;  
Replaced by new authorisation 1k20711
- 1; k; 2 – Microorganisms; *Lactococcus lactis* NCIMB 30160;  
Replaced by new authorisation 1k2082

- 1; k; 2 – Microorganisms; *Pediococcus acidilactici* DSM 16243; Replaced by new authorisation 1k2102
- 1; k; 2 – Microorganisms; *Pediococcus pentosaceus* DSM 12834; Replaced by new authorisation 1k2103

**129<sup>th</sup> Edition:** published on 22 November 2011

Corrigendum:

- 5; Coccidiostats and other medicinal substances; E 756; Decoquinat – 60,6 g/kg (Deccox) (holder of the authorisation Alpharma (Belgium) BVBA) [Chickens for fattening]; Reg. (EC) No 1289/2004 / *Corrigendum CS* in OJ L 143, 03.06.2008, p. 55 / *Amended by* Reg. (EC) No 552/2008 of 17 June 2008 / *Corrigendum PL* in OJ L 303, 22.11.2011, p. 49

**128<sup>th</sup> Edition:** published on 21 November 2011

Amendment:

- 4; d; Other zootechnical additives; 4d210; Benzoic acid (VevoVital) (holder of the authorisation ~~DSM Special Products~~ Emerald Kalama Chemical BV) [Piglets (Weaned)]; Reg. (EC) No 1730/2006 of 23 November 2006 / *Amended by* Commission Implementing Regulation (EU) No 1190/2011 of 18 November 2011 in OJ L 302 19.11.2011, p. 28 (Change of authorisation holder)
- 4; d; Other zootechnical additives; 4d210; Benzoic acid (VevoVital) (holder of the authorisation ~~DSM Special Products~~ Emerald Kalama Chemical BV) [Pigs for fattening]; Reg. (EC) No 1138/2007 of 1 October 2007 / *Amended by* Commission Implementing Regulation (EU) No 1190/2011 of 18 November 2011 in OJ L 302 19.11.2011, p. 28 (Change of authorisation holder)

**127<sup>th</sup> Edition:** published on 14 November 2011

Additions:

- 1; k; 2 – Microorganisms; 1k2073; *Lactobacillus plantarum* (NCIMB 30236); Commission Implementing Regulation (EU) No 1111/2011 of 3 November 2011 in OJ L 287, 4.11.2011, p. 30
- 4; a; Digestibility enhancers; 4a8; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (CBS 114044) (holder of authorisation Roal Oy) [Minor poultry species other than laying birds thereof; Laying hens and laying birds of minor poultry species; Pigs for fattening]; Commission Implementing Regulation (EU) No 1110/2011 of 3 November 2011 in OJ L 287, 4.11.2011, p. 27

**126<sup>th</sup> Edition:** published on 26 October 2011

Additions:

- 4; b; Gut flora stabilisers; 4b1872; *Saccharomyces cerevisiae* NCYC R-625 (holder of the authorisation Integro Gida SAN. ve TIC. A.S. represented by RM Associates Ltd) [Piglets

(weaned)]; Commission Implementing Regulation (EU) No 1074/2011 of 24 October 2011 in OJ L 278, 25.10.2011, p. 5

Correction:

- 4; a; Digestibility enhancers; 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 (holder of the authorisation Société Industrielle Lesaffre) [Horses]; Reg. (EC) No 186/2007 of 21 February 2007 / Amended by Reg (EC) No 897/2009 of 25 September 2009

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Enterococcus faecium* CNCM I-3236 / ATCC 19434
- 1; k; 2 - Microorganisms; *Lactobacillus buchneri* NCIMB 30139
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* Aber F1 NCIMB 41028
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* L54 NCIMB 30148
- 1; k; 2 - Microorganisms; *Pediococcus pentosaceus* NCIMB 30089
- 1; k; 2 - Microorganisms; *Propionibacterium acidipropionici* CNCM MA 26/4U
- 1; k; 3- Substances; E 250 Sodium nitrite
- 1; k; 3- Substances; Hexamethylene tetramine [Bovines; Ovines; Pigs; Poultry; Rabbits; Horses; Goats]
- 1; k; 3- Substances; Sodium benzoate
- 1; k; 1 - Enzymes; Alpha-amylase EC 3.2.1.1 from *Aspergillus oryzae*
- 1; k; 1 - Enzymes; Alpha-amylase EC 3.2.1.1 from *Bacillus amyloliquefaciens*
- 1; k; 1 - Enzymes; Alpha-amylase EC 3.2.1.1 from *Bacillus subtilis*
- 1; k; 1 - Enzymes; Cellulase EC 3.2.1.4 from *Aspergillus niger*
- 1; k; 1 - Enzymes; Cellulase EC 3.2.1.4 from *Trichoderma longibrachiatum*
- 1; k; 1 - Enzymes; Beta-glucanase EC 3.2.1.6 from *Aspergillus niger*
- 1; k; 1 - Enzymes; Xylanase EC 3.2.1.8 from *Trichoderma longibrachiatum*

**125<sup>th</sup> Edition:** published on 24 October 2011

Additions:

- 4a; 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 in OJ L 271, 22.10.2011, p. 11

Correction:

- 2b; natural products – botanically defined; *Citrus limon* (L.) Burm.: Lemon extract CAS 84929-31-7 FEMA 2623 CoE 139 / Lemon oil distilled CAS 8008-56-8 CoE 139 EINECS 284-515-8.  
The form “Lemon oil distilled CAS 8008-56-8 CoE 139 EINECS 284-515-8” moved from Annex II to Annex I.
- 2b; natural products – botanically defined; *Eugenia caryophyllus* (C. Sprengn.) Bull. = *Caryophyllus aromaticum* L. = *Syzygium aromaticum* L.: Clove leaf oil CAS 8000-34-8 FEMA 2325 CoE 188 EINECS 284-638-7 / Clove stem oil CAS 8000-34-8 FEMA 2328 CoE 188 / Clove tincture CoE 188.  
The *Caryophyllus aromaticum* L. and *Syzygium aromaticum* L. being the same plant, the entries were merged and “Clove tincture CoE 188” is added.
- 2b; natural products – botanically defined; *Fucus vesiculosus* L.: Algae absolute CAS 68917-51-1 CoE 206 EINECS 283-633-7 / Bladder wrack extract CoE 206.  
“Bladder wrack extract CoE 206” is moved from Annex II to Annex I
- 2b; natural products – botanically defined; *Vitex agnus-castus* L.: Lilac chastetree tincture / Lilac chastetree extract. The form “*Lilac chastetree extract*” moved from Annex II to Annex I.

Removal:

NOTA : The entries are grayed and will be removed in the next edition of the Register.

- 2b; natural products – botanically defined; *Boswellia serrata* Roxb. Ex Colebr.: Olibanum extract [Cats and dogs] This entry is removed due to the merge with *Boswellia serrata* Roxb. Ex Colebr.: Olibanum extract [All species]
- 2b; natural products – botanically defined; *Boswellia serrata* Roxb. Ex Colebr.: Olibanum extract [All species]. “with the exception of Cats and dogs” removed
- In Annex II.  
2b; natural products - botanically defined; *Eugenia caryophyllus* (C. Sprengn.) Bull. = *Caryophyllus aromaticum* L.: Clove bud absolute CAS 8000-34-8 CoE 188 / Clove bud oil CAS 8000-34-8 FEMA 2323 CoE 188 EINECS 284-638-7 / Clove bud extract CAS 84961-50-2 FEMA 2322 CoE 188 EINECS 284-638-7.  
This entry is now merged with “*Eugenia caryophyllus* (C. Sprengn.) Bull. = *Syzygium aromaticum* L.”
- In Annex II.  
2b; natural products - botanically defined; *Eugenia caryophyllus* (C. Sprengn.) Bull. = *Caryophyllus aromaticum* L. = *Syzygium aromaticum* L.: Clove bud absolute CAS 8000-34-8 CoE 188 EINECS 284-638-7 / Clove bud extract CAS 84961-50-2 FEMA 2322 CoE 188 EINECS 284-638-7 / Clove bud oleoresin CAS 84961-50-2 FEMA 2324 CoE 188 EINECS 284-638-7 / Clove bud oil CAS 8000-34-8 FEMA 2323 CoE 188 EINECS 284-638-7 / Clove leaf oil CAS 8000-34-8 FEMA 2325 CoE 188 EINECS 284-638-7 / Clove stem oil CAS 8000-34-8 FEMA 2328 CoE 188 / Clove tincture CoE 188.  
Partial deletion : “/ Clove leaf oil CAS 8000-34-8 FEMA 2325 CoE 188 EINECS 284-638-7 / Clove stem oil CAS 8000-34-8 FEMA 2328 CoE 188 / Clove tincture CoE 188” are removed due to the merge of the 2 lines.



- In annex II.  
2; b; natural products - botanically defined; *Fucus vesiculosus* L.: Algues / Bladder wrack extract CoE 206 / Algues / Bladder wrack tincture CoE 206.  
“Bladder wrack extract CoE 206” is moved from Annex II to Annex I

#### Corrigendum

- 1k; 2 – Microorganisms; 1k2072; *Lactobacillus buchneri* (DSM 22963); Commission Implementing Regulation (EU) No 868/2011 of 31 August 2011 / Corrigendum PL published in OJ L 263 PL, 07.10.2011, p. 22

### **123<sup>rd</sup> Edition:** published on 27 September 2011

#### Correction:

- Additive : Micro-organisms; E 1708; *Enterococcus faecium* NCIMB 11181 (Powder form) [Calves; Piglets]; Reg. (EC) No 1333/2004 in OJ L 247, 21.07.2004, p. 11.  
The two authorised forms are now distinct lines in the Register, the coated form being moved to the Annex II.

### **122<sup>nd</sup> Edition:** published on 12 September 2011

#### Additions:

- 5; Coccidiostats and histomonostats; 5 1 763; Lasalocid A sodium 15 g/100g (Avatec 150 G) CAS number: 25999-20-6 (holder of authorisation Alpharma (Belgium) BVBA) [Pheasants; guinea fowl; quails and partridges except laying birds thereof.]; Commission Implementing Regulation (EU) No 900/2011 of 7 September 2011 in OJ L 231, 08.09.2011, p. 15

### **121<sup>st</sup> Edition:** published on 6 September 2011

#### Additions:

- 1k; 2 – Microorganisms; 1k2071; *Lactobacillus plantarum* (DSM 21762); Commission Implementing Regulation (EU) No 868/2011 of 31 August 2011 in OJ L 226, 01.09.2011, p. 2
- 1k; 2 – Microorganisms; 1k2072; *Lactobacillus buchneri* (DSM 22963); Commission Implementing Regulation (EU) No 868/2011 of 31 August 2011 in OJ L 226, 01.09.2011, p. 2
- 4; b; Gut flora stabilisers; 4b1713; *Enterococcus faecium* CECT 4515 (holder of the authorisation Norel SA) [Chickens for fattening]; Commission Implementing Regulation (EU) No 887/2011 of 5 September 2011 in OJ L 229, 06.09.2011, p. 7
- 4a; Digestibility enhancers; 4a12; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (holder of authorisation Roal Oy) [Sows]; Commission Implementing Regulation (EU) No 886/2011 of 5 September 2011 in OJ L 229, 06.09.2011, p. 5
- 4b; Gut flora stabilisers; 4b1823; *Bacillus subtilis* ATCC PTA-6737 (holder of authorisation Kemin Europa NV) [Chickens reared for laying; ducks for fattening; quails; pheasants;

partridges; guinea fowl; pigeons; geese for fattening; Ostriches]; Commission Implementing Regulation (EU) No 885/2011 of 5 September 2011 in OJ L 229, 06.09.2011 p. 3

- 5; Coccidiostats and histomonostats; 5 1 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (holder of authorisation Janssen Pharmaceutica NV) [Turkeys for fattening]; Commission Implementing Regulation (EU) No 888/2011 of 5 September 2011 in OJ L 229, 06.09.2011.2011, p. 9

Amendment:

- Commission Implementing Regulation (EU) No 888/2011 of 5 September 2011 in OJ L 229, 06.09.2011, p. 9 : *“The entry in Annex II to Regulation (EC) No 2430/1999 concerning the diclazuril for turkeys, identified with registration number 27, is deleted.”*
- 4b; Gut flora stabilisers; 4b1821; *Bacillus subtilis* DSM 17299 (O35) (holder of authorisation Chr. Hansen A/S) [Chickens for fattening]; Reg. (EC) No 1137/2007 of 1 October 2007 is amended by Commission Implementing Regulation (EU) No 881/2011 of 2 September 2011 in OJ L 228 of 03.09.2011, p. 9

**120<sup>th</sup> Edition:** published on 1 June 2011

Additions:

- 5; Coccidiostats and histomonostats; 5 1 758; Robenidine hydrochloride 66 g/kg (Cycostat 66G) (holder of the authorisation Alpharma (Belgium) BVBA) [Rabbits for breeding ; Rabbits for fattening]; Commission Implementing Regulation (EU) No 532/2011 of 31 May 2011 in OJ L 146 of 01.06.2011, p. 7

Amendment:

- 5; Coccidiostats and other medicinal substances; E 758; Robenidine hydrochloride 66 g/kg (Cycostat 66 G) (holder of the authorisation Alpharma (Belgium) BVBA) [Chickens for fattening; Turkeys; Rabbits for fattening]; Reg. (EC) No 1800/2004 is Amended by Commission Implementing Regulation (EU) No 532/2011 of 31 May 2011. *“The Annex to Regulation (EC) No 1800/2004 is amended in accordance with Annex II to this Regulation.”*

Removal:

- 5; Coccidiostats and other medicinal substances; E 758; Robenidine hydrochloride 66 g/kg (Cycostat 66 G) (holder of the authorisation Alpharma (Belgium) BVBA) [Rabbits for breeding purposes]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Reg. (EC) No 2430/1999 of 17 November 1999 / Amended by Reg. (EC) No 552/2008 of 17 June 2008. Amended by Commission Implementing Regulation (EU) No 532/2011 of 31 May 2011 : *“In Annex I to Regulation (EC) No 2430/1999, the entry under registration number of additive E 758 concerning robenidine hydrochloride for rabbits for breeding purposes is deleted.”*
- 5; Coccidiostats and other medicinal substances; E 758; Robenidine hydrochloride 66 g/kg (Cycostat 66 G) (holder of the authorisation Alpharma (Belgium) BVBA) [Chickens for fattening; Turkeys; Rabbits for fattening]; Reg. (EC) No 1800/2004 / Amended by Reg. (EC) No 101/2009 of 3 February 2009 / Amended by Reg. (EC) No 214/2009 of 18 March 2009 / Amended by Commission Implementing Regulation (EU) No 532/2011 of 31 May 2011. *“The Annex to Regulation (EC) No 1800/2004 is amended in accordance with Annex II to this Regulation.”* (The rabbits for fattening are removed because of the new authorisation for rabbits for breeding and rabbits for fattening)

## 119<sup>th</sup> Edition: published on 31 May 2011

### Additions:

- 3; a; Nutritional additives; 3a831; **Vitamin B<sub>6</sub>** / pyridoxine hydrochloride; Commission Implementing Regulation (EU) No 515/2011 of 25 May 2011 in OJ L 138, 26.05.2011, p. 40
- 4a; Digestibility enhancers; 4a11; Preparation of endo-1,4- $\beta$ -xylanase (EC 3.2.1.8) produced by *Trichoderma reesei* (ATCC PTA 5588) (holder of 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
- 4a; Digestibility enhancers; 4a 14; Preparation of endo-1,4- $\beta$ -xylanase (EC 3.2.1.8) produced by *Trichoderma reesei* (MUCL 49755), endo-1,3(4)- $\beta$ -glucanase (EC 3.2.1.6) produced by *Trichoderma reesei* (MUCL 49754) and polygalacturonase (EC 3.2.1.15) produced by *Aspergillus aculeatus* (CBS 589.94) (holder of the authorisation Aveve NV) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 527/2011 of 30 May 2011 in OJ L 143. 31.05.2011. p.6

### Amendment:

- Micro-organisms; E 1700; *Bacillus licheniformis* (DSM 5749), *Bacillus subtilis* (DSM 5750) (In a 1/1 ratio) [Turkeys for fattening; Calves]; Reg. (EC) No 600/2005 / Amended by Reg. (EC) No 2028/2006 of 18 December 2006 / Amended by Reg. (EC) No 202/2009 of 16 March 2009 / Amended by Commission Implementing Regulation (EU) No 516/2011 of 25 May 2011 in OJ L 138, 26.5.2011, p. 43

### Removal:

- 5; Coccidiostats and other medicinal substances; E 766; Salinomycin sodium 120 g/kg / (Sacox 120) (holder of the authorisation Huvepharma NV) [Rabbits for fattening]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Amended by Reg. (EC) No 249/2006 in OJ C 50, 25.02.2004, p. 1 / Amended by OJ L 43, 14.02.2006, p. 22. Authorisation expired 31.05.2011
- Enzymes; 59; Preparation of endo-1,4-beta-xylanase EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105), endo-1,3(4)-beta-glucanase EC 3.2.1.6 and alpha-amylase EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), subtilisin EC 3.4.21.62 produced by *Bacillus subtilis* (ATCC 2107), Polygalacturonase EC 3.2.1.15 produced by *Aspergillus aculeatus* (CBS 589.94) [Turkeys for fattening]; Reg. (EC) No 1876/2006 of 18 December 2006 / Corrigendum in OJ L 43 of 15.02.2007 / Corrigendum FR in OJ L 301 of 17.11.2009 in OJ L 360, 19.12.2006, p. 126 / Corrigendum OJ L 43, 15.02.2007, p. 42 / Corrigendum FR OJ L 301, 17.11.2009, p. 54. Authorisation Expired 08.01.2011
- 3; a; Vitamins and provitamins; Vitamin B<sub>6</sub> / Pyridoxine hydrochloride. Replaced by new regulation : Commission Implementing Regulation (EU) No 515/2011 of 25 May 2011

## 118<sup>th</sup> Edition: published on 23 May 2011

Additions:

- 4; d; Other zootechnical additives; 4d 5; Sodium benzoate (holder of the authorisation Kemira Oyj) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 496/2011 of 20 May 2011 in OJ L 134, 21.05.2011, p. 9
- 5; Coccidiostats and histomonostats; 5 1 701; Monensin sodium (Coxidin; carrier Calcium Carbonate) (holder of the authorisation Huvepharma NV Belgium) [Chickens for fattening; Turkeys]; Commission Implementing Regulation (EU) No 495/2011 of 20 May 2011 in OJ L 134 of 21.05.2011, p. 6. Note : the carrier is different.

Amendment:

- 5; Coccidiostats and histomonostats; 5 1 701; Monensin sodium (Coxidin; carrier Wheat bran) (holder of the authorisation Huvepharma NV Belgium) [Chickens for fattening; Turkeys]; Reg. (EC) No 109/2007 / Corrigendum in OJ L 37, 09.02.2007, p. 9 / Amended by Reg (EC) No 156/2008 of 21 February 2008 / Amended by Reg (EC) No 1095/2008 of 6 November 2008 / Amended by Commission Implementing Regulation (EU) No 495/2011 of 20 May 2011 in OJ L 31, 06.02.2007, p. 8 / Corrigendum OJ L 37, 09.02.2007, p. 9 / Amended by OJ L 48 of 22.02.08, p. 14 / Amended by OJ L 298 of 07.11.08, p. 3 / Amended by Commission Implementing Regulation (EU) No 495/2011 of 20 May 2011 in OJ L 134 of 21.05.2011, p. 6

**117<sup>th</sup> Edition:** published on 12 May 2011

Additions:

- 4; a; Digestibility enhancers; 4a10; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588), alpha-amylase produced by *Bacillus amyloliquefaciens* (ATCC 3978) and subtilisin produced by *Bacillus subtilis* (ATCC 2107) [Laying hens] (holder of authorisation Danisco Animal Nutrition); Commission Implementing Regulation (EU) No 389/2011 of 19 April 2011 in OJ L 104, 19.04.2011. p. 7
- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* FERM BP-2789 (holder of authorisation Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.) [Minor avian species (excluding laying birds); Piglets (weaned) and minor porcine species (weaned)]; Commission Implementing Regulation (EU) No 373/2011 of 15 April 2011 in OJ L 102, 16.04.2011, p. 10
- 4; d; Other zootechnical additives; 4d4; Dimethylglycine sodium salt (holder of the authorisation Taminco N.V.) [Chickens for fattening]; Commission Implementing Regulation (EU) No 371/2011 of 15 April 2011 in OJ L 102 16.04.2011, p. 6
- 5; Coccidiostats and histomonostats; 5 1 770; Maduramicin ammonium alpha 10 g/kg (Cygro 10 G) (holder of authorisation Alpharma (Belgium) BVBA) [Chicken for fattening]; Commission Implementing Regulation (EU) No 388/2011 of 19 April 2011 in OJ L 104, 20.04.2011, p. 3

Amendments:

- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* MIYAIRI 588 (~~FERM P 1467~~) changed to *Clostridium butyricum* FERM-BP 2789 (holder of authorisation Miyarisan Pharmaceutical Co. Ltd, represented by Mitsui & Co. Deutschland GmbH -> Miyarisan Pharmaceutical Co. Ltd represented by Miyarisan Pharmaceutical Europe S.L.U.)

[chickens for fattening]; Reg. (EC) No 903/2009 of 28 September 2009 is Amended by Commission Implementing Regulation (EU) No 373/2011 of 15 April 2011 in OJ L 102, 16.04.2011, p. 10. “the words ‘*Clostridium butyricum MIYAIRI 588 (FERM-P 1467)*’ and the words ‘*Mitsui & Co. Deutschland GmbH*’ are replaced respectively by the words ‘*Clostridium butyricum FERM-BP 2789*’ and by the words ‘*Miyarisan Pharmaceutical Europe S.L.U.*’; “In point 2 of the ‘Other provisions’ column of the Annex to Regulation (EC) No 903/2009 the words ‘*monensin sodium or lasalocid*’ are added”.

- 5; Coccidiostats and other medicinal substances; E 770; Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) (holder of authorisation Alpharma (Belgium) BVBA) [Chicken for fattening]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Reg. (EC) No 2430/1999 of 17 November 1999 / Amended by Reg. (EC) No 552/2008 of 17 June 2008 / Amended by Reg. (EU) No 1118/2010 of 2 December 2010 / Amended by Commission Implementing Regulation (EU) No 388/2011 of 19 April 2011 in OJ L 104, 19.04.2011, p. 3 “*In Annex I to Regulation (EC) No 2430/1999, the entry under the registration number of additive E 770, concerning Maduramicin ammonium alpha is deleted.*”
- 5; Coccidiostats and other medicinal substances; E 770; Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) (holder of authorisation Alpharma (Belgium) BVBA) [Turkeys]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Reg. (EC) No 2380/2001 of 5 December 2001 / Amended by Reg. (EC) No 552/2008 of 17 June 2008 / Amended by Commission Implementing Regulation (EU) No 406/2011 of 27 April 2011 in OJ L 108, 28.04.2011, p. 11

#### Removal :

- 5; Coccidiostats and other medicinal substances; E 770; Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) (holder of authorisation Alpharma (Belgium) BVBA) [Chicken for fattening] is deleted by Commission Implementing Regulation (EU) No 388/2011 of 19 April 2011 in OJ L 104, 19.04.2011, p. 3 “*In Annex I to Regulation (EC) No 2430/1999, the entry under the registration number of additive E 770, concerning Maduramicin ammonium alpha is deleted.*”

**116<sup>th</sup> Edition:** published on 14 April 2011

#### Additions:

- 4; b; Gut flora stabilisers; 4b1705; *Enterococcus faecium* NCIMB 10415 [Chickens for fattening]; Commission Implementing Regulation (EU) No 361/2011 of 13 April 2011 in OJ L 100, 14/04/2011, p. 22

#### Amendments:

- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Chickens for fattening, Pigs for fattening]; Reg. (EC) No 943/2005 / amended by Commission Implementing Regulation (EU) No 361/2011 of 13 April 2011 in OJ L 159, 22.06.2005, p. 6 / Amended by OJ L 100, 14/04/2011, p. 22. Annex I to Regulation (EC) No 943/2005 is replaced.

#### Removal:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Chickens for fattening]; Reg. (EC) No 943/2005 / amended by Commission Implementing Regulation (EU) No 361/2011 of 13 April 2011 in OJ L 159, 22.06.2005, p. 6 / Amended by OJ L 100, 14/04/2011, p. 22. Use for [Chickens for fattening] is replaced by the new authorisation for 4b1705 in the same implementing regulation.

### **115<sup>th</sup> Edition:** published on 8 April 2011

#### Additions:

- 4; a; Digestibility enhancers; 4a15; Preparation (solid and liquid form) of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (ATCC SD 2106) (holder of the authorisation Danisco Animal Nutrition) [Turkeys for fattening and reared for breeding; Laying hens; Other poultry; Piglets (weaned); Pigs for fattening]; COMMISSION REGULATION (EU) No 337/2011 of 7 April 2011 in OJ L 94, 08.04.2011. p.19

#### Amendments:

- 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 authorisation Aveve NV) [chickens for fattening] (holder of authorisation Aveve NV); Reg. (EC) No 1091/2009 is Amended by Reg. (EU) No 335/2011 of 7 April 2011 in OJ L 94, 08.04.2011, p. 14.
- 4; b; Gut flora stabilisers; 4b1822; *Bacillus amyloliquefaciens* CECT 5940 (holder of the authorisation NOREL SA) [Chickens for fattening]; Reg. (EC) No 1292/2008 of 18 December 2008 is Amended by Reg (EU) No 336/2011 of 7 April 2011 in OJ L 94, 08.04.2011, p. 17

### **114<sup>th</sup> Edition:** published on 30 March 2011

#### Removal :

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- Micro-organisms; 26; *Kluyveromyces marxianus-fragilis* B0399 MUCL 41579 [Piglets (Weaned)]; Reg. (EC) No 773/2006 OJ L 135, 23.05.2006, p. 3 ; authorisation expired 12.06.2010

#### Information:

Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted (in due time) for the following additives:

- 5; Coccidiostats and other medicinal substances; E 770; Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) (holder of authorisation Alpharma (Belgium) BVBA) [Turkeys]

Correction :

- 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (holder of authorisation Lallemand SAS).  
Functional group corrected for [Piglets (weaned)] and [Laying hens].
- Some minor typing mistake.

Corrigendum :

- PL corrigendum to Commission Regulation (EU) No 892/2010 of 8 October 2010 on the status of certain products with regard to feed additives within the scope of Regulation (EC) No 1831/2003 of the European Parliament and of the Council published in OJ L32 PL of 08.02.2011, p. 24  
(<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2011:032:0024:0024:PL:PDF>).

Sprostowanie do rozporządzenia Komisji (UE) nr 892/2010 z dnia 8 października 2010 r. w sprawie statusu niektórych produktów odnośnie do dodatków paszowych objętych zakresem rozporządzenia (WE) nr 1831/2003 Parlamentu Europejskiego i Rady ([Dz.U. L 155 z 22.6.2010](#))

### **113<sup>rd</sup> Edition:** published on 9 March 2011

Additions:

- 4; a; Digestibility enhancers; 4a1641(i); 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 14223) (holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. z o.o) [Salmonids]; Reg (EC) No 221/2011 of 4 March 2011 in OJ L 60, 05.03.2011, p. 3
- 4; d; Other zootechnical additives; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M [Laying hens] (holder of authorisation Lallemand SAS); Reg. (EU) No 212/2011 of 3 March 2011 in OJ L 59, 04.03.2011, p. 1

Amendments:

- Reg. (EC) No 521/2005 is Amended by Reg. (EU) No 221/2011; in OJ L 60, 05.03.2011, p. 3. "In Regulation (EC) No 521/2005, Article 2 and Annex II are deleted."

### **112<sup>nd</sup> Edition:** published on 28 February 2011

Additions:

- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (holder of the authorisation Calpis Co. Ltd Japan, represented by Calpis Co. Ltd Europe Representative Office, France) [Chickens reared for laying; Turkeys, minor avian species and other ornamental and game birds]; Reg. (EC) No 184/2011 of 25 February 2011 in OJ L 53, 26.02.2011, p. 33

Correction :

- Entry 4b1820 corrected : minor typing mistake.

Removal:

*NOTA : The entries grayed in edition 111 are removed.*

## 111<sup>st</sup> Edition: published on 25 February 2011

### Additions:

- 4; a; Digestibility enhancers; 4a1641(i); 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 14223) (holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. z o.o) [Poultry for breeding and for laying; Other poultry; Pigs for breeding and minor porcine species for breeding]; Reg (EC) No 171/2011 of 23 February 2011 in OJ L 49, 24.02.2011, p. 11/
- 4; b; Gut flora stabilisers; 4b1710; *Saccharomyces cerevisiae* MUCL 39885 (holder of the authorisation Prosol SpA) [Piglets (Weaned)]; Reg. (EU) No 170/2011 of 23 February 2011 in OJ L 49, 24.02.2011, p. 8
- 5; Coccidiostats and other medicinal substances; 5 1 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (holder of authorisation Janssen Pharmaceutica NV) [Guinea fowls]; Reg. (EU) No 169/2011 of 23 February 2011 in OJ L 49, 24.02.2011, p. 6

### Amendments:

- Reg. (EU) No 107/2010 of 8 February 2010 is Amended by Reg. (EU) No 168/2011 of 23 February 2011 in OJ L 49, 24.02.2011, p. 4. Annex is replaced.
- Reg. (EC) No 1200/2005; Amended by Reg. (EC) No 1445/2006 of 29 September 2006; Amended by Reg. (EU) No 104/2010; is Amended by Reg. (EU) No 170/2011. “The entry E 1710, additive: *Saccharomyces cerevisiae* MUCL 39885, is deleted.”
- Reg. (EC) No 255/2005 is Amended by Reg. (EU) No 171/2011; in OJ L 49, 24.02.2011, p. 11. “The entry EC No: E 1614(i), additive: 6-phytase EC 3.1.3.26, is deleted.”

### Removal:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- 4; a; Digestibility enhancers; 4a1614(i); 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 14223) (Ronozyme) (holder of the authorisation DSM Nutritional Products Ltd ) [Ducks]; Reg (EC) No 1500/2007 of 18 December 2007 is Repealed by Reg. (EU) No 171/2011 in OJ L 49, 24.02.2011, p. 11
- Enzymes; E 1614 (i); 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 14223) [Chickens for Fattening; Laying hens; Turkeys for fattening; Piglets; Pigs for fattening; Sows] because Reg. (EC) No 255/2005 is Amended by Reg. (EU) No 171/2011 in OJ L 49, 24.02.11, p. 11. “The entry EC No: E 1614(i), additive: 6-phytase EC 3.1.3.26, is deleted.”
- Micro-organisms; E 1710; *Saccharomyces cerevisiae* MUCL 39885 [Piglets (Weaned)]; Reg. (EC) No 1200/2005 / Amended by Reg. (EU) No 104/2010; is Amended by Reg. (EU) No 170/2011 in OJ L 49, 24.02.2011, p. 8. “In Annex II to Regulation (EC) No 1200/2005, the entry E 1710, additive: *Saccharomyces cerevisiae* MUCL 39885, is deleted.”



## **110<sup>th</sup> Edition:** published on 27 January 2011

### Information:

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

- 2; a; Other colourants; *Relevant E number*; Allura Red E 129; Brilliant Black PN E 151; Brilliant Blue FCF E 133; Brown HT E 155; Caramel colours E150b, E150c and E150d; Carmine (Carmine Lake WSP 50%) E 120; Carmoisine E 122; Chlorophyllin Copper Complex E 141; Erythrosine E 127; Indigotine E 132; Iron Oxide Red, Black & Yellow E 172; Patent Blue V E 131; Ponceau 4 R E 124; Quinoline Yellow E 104; Titanium dioxide (anatase & rutile structure) E 171; Vegetal Carbon E 153; Tartrazine E 102; Sunset yellow FCF E 110 as colouring agents authorised for colouring foodstuffs by Community rules, other than Patent blue V, Acid brilliant green BS, and Canthaxanthin [Dogs; Cats]

### Correction :

- Entries for various additives of category 4 were corrected (holder of the authorisation added or updated).

### Removal:

*NOTA : The entry grayed in edition 109 is removed.*

## **109<sup>th</sup> Edition:** published on 17 January 2011

### Addition:

- 3; a; Vitamins and provitamins; 3a700; **Vitamin E** [All species]; Commission Regulation (EU) No 26/2011 of 14 January 2011 in OJ L 11, 15.01.2011, p. 18

### Removal:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- 3; a; Vitamins and provitamins; **Vitamin E**. Replaced by 3a700

## **108<sup>th</sup> Edition:** published on 14 January 2011

### Information:

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

- CAS No. 107-85-7 / 3-Methylbutylamine / Flavis No. 11.001
- CAS No. 75-50-3 / Trimethylamine / Flavis No. 11.009

### Correction :

- Some typing mistakes corrected for the following additives : 3b4.10; 3b5.10; 3b6.10; E 5 (**Manganese - Mn**, Manganese chelate of glycine, hydrate) and “*Myristica fragrans* Houtt”

## **107<sup>th</sup> Edition:** published on 10 January 2011

### Corrigendum:

- 4; a; Digestibility enhancers; 4a6; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (holder of authorisation DSM Nutritional Products Ltd., represented by DSM Nutritional Products Sp. Z.o.o.) [Sows]; Reg (EU) No 999/2010 of 5 November 2010 / Corrigendum BG in OJ L 341 BG 23.12.2010, p. 52

### Correction :

- Entries for various additives of category 4 were corrected (holder of the authorisation added or updated).

## **106<sup>th</sup> Edition:** published on 17 December 2010

### Information:

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

- 1; Binders, anti-caking agents and coagulants; E 599; Perlite
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 410; Locust bean gum (Carob gum)

## **105<sup>th</sup> Edition:** published on 9 December 2010

### Information:

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* CNCM I-3235 / ATCC 8014

### Correction :

Entries for various additives were corrected.

- Beta-carotene
- Vermiculite E 561

### Removal:

*NOTA : The entries grayed in edition 104 are removed.*

## 104<sup>th</sup> Edition: published on 3 December 2010

### Addition:

- 4; b; Gut flora stabilisers; 4b1710; *Saccharomyces cerevisiae* MUCL 39885 (holder of the authorisation Prosol SpA) [Dairy cows; Horses]; Reg. (EU) No 1119/2010 of 2 December 2010 in OJ L 317, 03.12.2010, p. 9
- 4; d; Other zootechnical additives; 4d 3; Preparation of protected citric acid, sorbic acid, thymol and vanillin [Piglets (Weaned)]; Reg. (EU) No 1117/2010 of 2 December 2010 in OJ L 317, 3.12.2010, p. 3
- 4; d; Other zootechnical additives; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M [Piglets (weaned)] (holder of authorisation Lallemand SAS); Reg. (EU) No 1120/2010 of 2 December 2010 in OJ L 317, 03.12.2010, p. 12
- 5; Coccidiostats and other medicinal substances; 5 1 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (holder of authorisation Janssen Pharmaceutica NV) [Chickens for fattening]; Reg. (EU) No 1118/2010 of 2 December 2010 in OJ C 50, 25.02.2004, p. 1 / OJ L317, 03.12.2010, p. 5

### Removal:

NOTA : The entries are grayed and will be removed in the next edition of the Register.

- 5; Coccidiostats and other medicinal substances; E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) [Chickens for fattening]
- Micro-organisms; E 1710; *Saccharomyces cerevisiae* MUCL 39885 [Dairy cows]; Reg. (EC) No 1520/2007 in OJ L 333, 20.12.2007, p. 54

### Amendment:

- Reg. (EC) No 2430/1999 is amended by Reg. (EU) No 1118/2010 of 2 December 2010 in OJ L 317, 3.12.2010, p. 3. "In Annex I to Regulation (EC) No 2430/1999, the entry under the registration number of additive E 771, concerning diclazuril for chickens for fattening, is deleted"
- Reg. (EC) No 1520/2007 is amended by Reg. (EU) No 1119/2010 of 2 December 2010 in OJ L 317, 03.12.2010, p. 9 " In Regulation (EC) No 1520/2007, Article 1 and Annex I are deleted. "

### Information:

NOTE : The annex is now split in 2. Annex I contains the additives currently authorised and the annex II contains the additives for which no application for re-evaluation was submitted by 8 November 2010 (see explanatory note).

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

- 1; a; Preservatives; E 218; Methyl 4-hydroxybenzoate [Pets]
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 461; Methylcellulose
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 464; Hydroxypropylmethylcellulose
- 1; j; Acidity regulators; E 524; Sodium hydroxide [Cats; Dogs]
- 2; a (iii); Other colourants; E 131; Patent blue V [Grain-eating ornamental birds; Small rodents]
- Enzymes; E 1617; Endo-1,4-beta-xylanase produced by *Trichoderma longibrachiatum* (IMI SD 135) / EC 3.2.1.8 [Chickens for fattening]

- Enzymes; E 1617; Endo-1,4-beta-xylanase produced by *Trichoderma longibrachiatum* (IMI SD 135) / EC 3.2.1.8 [Turkeys for fattening]
- Enzymes; E 1617; Endo-1,4-beta-xylanase produced by *Trichoderma longibrachiatum* (IMI SD 135) / EC 3.2.1.8 [Laying hens; Piglets (weaned)]
- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Cats, dogs]

**103<sup>rd</sup> Edition:** published on 29 November 2010

#### Information:

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

- 1; a; Preservatives; E 700; Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg [Cattle for fattening]
- 1; a; Preservatives; E 700; Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg [Pigs; Dairy cows]
- 1; Binders, anti-caking agents and coagulants; E 554; Sodium aluminosilicate, synthetic
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 413; Tragacanth
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 460(ii); Cellulose powder
- 1; j; Acidity regulators; E 450 a (i); Disodium dihydrogen diphosphate [Cats; Dogs]
- 2; a (iii); Carotenoids and xanthophylls; E 161g; Canthaxanthin [Pet and ornamental birds]
- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex [Ornamental fish]
- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex [Grain-eating ornamental birds; Small rodents]
- 2; a; Carotenoids and xanthophylls; E 161g; Canthaxanthin [Poultry other than laying hens; Laying hens; Salmon; Trout; Dogs, Cats and ornamental fish]
- 2; a; Carotenoids and xanthophylls; E 161g; Canthaxanthin authorised for colouring foodstuffs by Community rules
- 2; a; Carotenoids and xanthophylls; E 161h; Zeaxanthin [Poultry]
- 2; a; Other colourants; *Relevant E number*; Allura Red E 129; Brilliant Black PN E 151; Brilliant Blue FCF E 133; Brown HT E 155; Caramel colours E150b, E150c and E150d; Carmine (Carmine Lake WSP 50%) E 120; Carmoisine E 122; Chlorophyllin Copper Complex E 141; Erythrosine E 127; Indigotine E 132; Iron Oxide Red, Black & Yellow E 172; Patent Blue V E 131; Ponceau 4 R E 124; Quinoline Yellow E 104; Titanium dioxide (anatase & rutile structure) E 171; Vegetal Carbon E 153; as colouring agents authorised for colouring foodstuffs by Community rules, other than Patent blue V, Acid brilliant green BS, and Canthaxanthin [Dogs; Cats]
- Enzymes; E 1613; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (CNCM MA 6-10 W) [Chickens for fattening]
- Enzymes; E 1613; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (CNCM MA 6-10 W) [Turkeys for fattening]
- Enzymes; E 1613; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (CNCM MA 6-10 W) [Laying hens]
- Micro-organisms; E 1714; *Lactobacillus farciminis* CNCM MA 67/AR [Piglets (Weaned)]

Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Lactobacillus buchneri* DSM 13573
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* DSM 3676
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* DSM 3677

**102<sup>nd</sup> Edition:** published on 23 November 2010

Information:

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

- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 322; Lecithins
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 412; Guar gum
- 2; a (iii); Other colourants; E 110; Sunset yellow FCF [Grain-eating ornamental birds; Small rodents; Ornamental fish]
- 2; a (iii); Other colourants; E 132; Indigotine [Ornamental fish]
- 2; a; Other colourants; *Relevant E number*; Allura Red E 129; Brilliant Black PN E 151; Brilliant Blue FCF E 133; Brown HT E 155; Caramel colours E150b, E150c and E150d; Carmoisine E 122; Chlorophyllin Copper Complex E 141; Erythrosine E 127; Indigotine E 132; Iron Oxide Red, Black & Yellow E 172; Patent Blue V E 131; Ponceau 4 R E 124; Quinoline Yellow E 104; Titanium dioxide (anatase & rutile structure) E 171; Vegetal Carbon E 153; as colouring agents authorised for colouring foodstuffs by Community rules, other than Patent blue V, Acid brilliant green BS, and Canthaxanthin [Dogs; Cats]
- 2; b; *Abies alba* Mill., *A. sibirica* Ledeb.: Pine needle oil; CAS 8021-29-2; FEMA 2905; CoE 5; EINECS 294-351-9
- 2; b; *Agothosma betulina*, synonyme *Barosma betulina* Bartl. Et Wendl.: Buchu leaves oil; CAS 68650-46-4; FEMA 2169; CoE 85; EINECS 283-474-3
- 2; b; *Althaea officinalis* L.: *Althaea* tincture; CoE 31
- 2; b; *Amyris balsamifera* L.: *Amyris* oil; CoE 33
- 2; b; *Anacardium occidentale* L.: Cashew oil; CoE 34
- 2; b; *Arctium majus* Bernh. = *A. lappa* L. : Great burdock extract; CoE 57 / [Cats and dogs]
- 2; b; *Armoracia lapathifolia* Gilib. = *A. rusticana* (Gaertner) B.Meyer et Scherbius: Horseradish tincture; CoE 145
- 2; b; *Berberis vulgaris* L.: Barberry concentrate; CoE 86 / Barberry tincture; CoE 86
- 2; b; *Boswellia serrata* Roxb. Ex Colebr.: Olibanum extract [All species with the exception of Cats and dogs]
- 2; b; *Capsicum annuum* L., *C. frutescens* L.: Capsicum oleoresin; CAS 8023-77-6; FEMA 2234; CoE 108; EINECS 283-256-8 / Paprika oleoresin; CAS 84625-29-6; FEMA 2834; CoE 107; EINECS 283-403-6 / Capsicum extract; CAS 8023-77-6; FEMA 2233; CoE 108; EINECS 283-256-8 / Capsicum / Paprika tincture; CoE 107/108
- 2; b; *Castanea sativa* Mill.: Chestnut extract

- 2; b; *Cimicifuga simplex* (Wormsk. Ex DC.) Ledeb. = *C. racemosa* (L.) Nutt.: Sarashina shoma extract / Sarashina shoma tincture
- 2; b; *Citrus aurantiifolia* (Christm.) Swingle: Lime oil expressed; CAS 8008-26-2; FEMA 2631; CoE 141; EINECS 290-010-3 / Lime oil expressed terpeneless; CAS 68916-84-7; FEMA 2632; CoE 141 / Lime oil distilled; CAS 8008- 26-2; CoE 141; EINECS 290-010-3 / Lime essence oil; CoE 141
- 2; b; *Citrus aurantium* L. : Neroli bigarade oil; CAS 8016-38-4; FEMA 2771; CoE 136; EINECS 277-143-2 / Petitgrain bigarade oil; CAS 8014- 17-3; FEMA 2855; CoE 136; EINECS 283-881-6 / Petitgrain bigarade absolute; CAS 8014-17-3; CoE 136; EINECS 283-881-6
- 2; b; *Citrus aurantium* L. var *myrtifolia* Ker-Gawl. = *C. aurantium* L. spp. Amara var. *pumilia*: Bitter orange extract of whole fruit; CoE 138
- 2; b; *Citrus reticulata* Blanco: Mandarin oil; CAS 8008-31-9; FEMA 2657; CoE 142 / Mandarin, Tangerine terpenes; CoE 142
- 2; b; *Citrus sinensis* (L.) Pers. = *C. aurantium* L. var. *dulcis*: Orange terpenes; CAS 8028-48-6; CoE 143; EINECS 232- 433-8 / Orange oil cold pressed; CAS 8028-48-6; FEMA 2825; CoE 143; EINECS 232-433-8 / Orange oil distilled; CAS 68606-94-0; FEMA 2821; CoE 143; EINECS 304-454-3 / Orange oil terpeneless; CAS 8008-57-9; FEMA 2822/2826; CoE 143; EINECS 232-433-8
- 2; b; *Citrus x paradisi* Macfad.: Grapefruit oil expressed; CAS 8016-20-4; FEMA 2530; CoE 140; EINECS 289-904-6 / Grapefruit extract; CoE 140
- 2; b; *Crataegus oxyacantha* L.p.p. et auct.: Hawthorne tincture; CoE 156
- 2; b; *Echinacea angustifolia* DC.: Blacksamson echinacea extract [Cats and dogs]
- 2; b; *Echinacea purpurea* (L.) Moench.: Echinacea extract [Cats and dogs]
- 2; b; *Equisetum arvense* L.: Horsetail tincture
- 2; b; *Eschscholzia californica* Cham.: California poppy tincture
- 2; b; *Filipendula ulmaria* (L.) Maxim.: Dropwort tincture; CoE 199
- 2; b; *Fucus vesiculosus* L.: Algae absolute; CAS 68917-51-1; CoE 206; EINECS 283-633-7
- 2; b; *Garcinia cambogia* Desrouss.: Garcinia extract [Cats and dogs]
- 2; b; *Gaultheria procumbens* L.: Wintergreen oil; CAS 90045-28-6; FEMA 3113; CoE 211; EINECS 289-888-0
- 2; b; *Gentiana lutea* L. = *G. pupurea* L.: Gentian tincture; CoE 214
- 2; b; *Ginkgo biloba* L.: Ginkgo extract [All species with the exception of cats and dogs] / Ginkgo tincture [All species]
- 2; b; *Ginkgo biloba* L.: Ginkgo extract [Cats and dogs]
- 2; b; *Gymnostemma pentaphyllum* Makino: Immortality herb tincture
- 2; b; *Helianthus annuus* L.: Sunflower extract [Cats and dogs]
- 2; b; *Humulus lupulus* L.: Hop. Tincture; CoE 233
- 2; b; *Hypersicum perforatum* L.: St. John's wort tincture; CoE 234
- 2; b; *Hyssopus officinalis* L. = *H. decumbens* Jord. & Fourr. : Hyssop. Oil; CAS 8006-83-5; FEMA 2591; CoE 235; EINECS 283-266-3 [Cats and dogs]

- 2; b; *Juniperus communis* L.: Juniper tincture; CoE 249 / Juniper berry extract; CAS 84603-69-0; FEMA 2603; CoE 249; EINECS 283-268-3 / Juniper berry oil; CAS 8002-68-4; FEMA 2604; CoE 249; EINECS 283-268-3 / Juniper branches oil; CAS 8012-91-7; CoE 249; EINECS 283-268-3
- 2; b; *Juniperus mexicana* Schiede: Cedarwood Texas oil
- 2; b; *Lepidium meyenii* Walp. : Maca extract
- 2; b; *Linum usitatissimum* L.: Linseed tincture; CoE 263
- 2; b; *Mallotus philippinensis* (Lam.) Muell. Arg.: Kamala extract; CoE 535
- 2; b; *Malphigia glabra* L.: Acerola extract
- 2; b; *Malus silvestris* Mill.: Apple concentrate; CoE 386
- 2; b; *Momordica charantia* L.: Bitter melon tincture
- 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]
- 2; b; *Paeonia lactiflora* Pall. = *P. albiflora* Pall. : Chinese peony tincture
- 2; b; *Panax ginseng* C. A. Mey.: Ginseng extract; CoE 318 [Cat and dogs]
- 2; b; *Passiflora incarnata*, extract
- 2; b; *Pinus pinaster* Soland.: Pine oil / Pine tincture
- 2; b; *Pinus spp.*, e.g. *P. sylvestris* L. : Pine oil white; CAS 8002-09-3; CoE 340
- 2; b; *Potentilla erecta* L.; synonyme *Potentilla tormentilla* Stokes: Tormentill tincture; CoE 493
- 2; b; *Quercus robur* L., *Q. pedunculata* Ehrh.: Oak wood english cresote / extract; CAS 71011-28-4; CoE 390; EINECS 275-129-0
- 2; b; *Ribes nigrum* L.: Black currant extract; CoE 399
- 2; b; *Rosa canina* L.: Rose tincture; CoE 403
- 2; b; *Rubus spp.*, e.g. *Rubus fruticosus* L.): Blackberry tincture; CoE 408
- 2; b; *Salix alba* L.: White willow extract / White willow tincture
- 2; b; *Schinopsis Balansae*: quebracho colorado condensed tannins extract; CAS 1401-55-04
- 2; b; *Styrax benzoin* Dryand., *S. tonkinensis* (Pierre) Craib ex Hartwich: Benzoin resinoid; CAS 9000-05-9; FEMA 2133; CoE 439; EINECS 232- 523-7
- 2; b; *Thea sinensis* L. = *Chamellia thea* Link. = *Chamellia sinensis* (L.) O. Kuntze: Tea extract; CAS 84650-60-2; CoE 451; EINECS 283-519-7 / Tea tincture; CoE 451
- 2; b; *Thea sinensis* L.: Tea tincture; CoE 451
- 2; b; *Theobroma cacao* L.: Cocoa absolute; CoE 452 / Cocoa extract; CAS 84649-99-0; CoE 452; EINECS 283-460-6
- 2; b; *Uncaria tomentosa* L. = *Ourouparia guianensis* Aubl.: Cat's claw extract
- 2; b; *Urtica dioica* L.: Common nettle extract; CoE 468
- 2; b; *Urtica urens* L.: Dwarf nettle tincture
- 2; b; *Vaccinium myrtillus* L. : Blueberry tincture; CoE 469

- 2; b; *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 / Grape skin extract; CoE 485
- 2; b; *Withania somniferum* (L.) Dunal. = *Physalis somnifera* Link: Ashwagandha tincture
- 3; b; Trace elements; E 6; **Zinc - Zn**, Zinc chelate of amino acids hydrate
- 3; b; Trace elements; E 6; **Zinc - Zn**, Zinc chelate of glycine, hydrate
- CAS No. 100-53-8 / Phenylmethanethiol / Flavis No. 12.005 [Cats and dogs]
- CAS No. 108-99-6 / picoline beta (3-methylpyridine) / Flavis No. 14.135 [Cats and dogs]
- CAS No. 109-73-9 / Butylamine / Flavis No. 11.003 [Cats and dogs]
- CAS No. 110-42-9 / Methyl decanoate / Flavis No. 09.251 [Cats and dogs]
- CAS No. 1193-79-9 / 2-Acetyl-5-methylfuran / Flavis No. 13.083 [Cats and dogs]
- CAS No. 122-70-3 / Phenethyl propionate / Flavis No. 09.137 [Cats and dogs]
- CAS No. 142-83-6 / Hexa-2(trans),4(trans)-dienal / Flavis No. 05.057 [Cats and dogs]
- CAS No. 2363-89-5 / Oct-2-enal / Flavis No. 05.060 [Cats and dogs]
- CAS No. 23787-80-6 / 2-Acetyl-3-methylpyrazine / Flavis No. 14.082 [Cats and dogs]
- CAS No. 27538-09-6 / 2-Ethyl-4-hydroxy-5-methyl-3(2H)-furanone / Flavis No. 13.084 [Cats and dogs]
- CAS No. 30086-02-3 / 3,5-Octadiene-2-one / Flavis No. 07.247 [Cats and dogs]
- CAS No. 3913-71-1 / Dec-2-enal / Flavis No. 05.076 [Cats and dogs]
- CAS No. 3913-85-7 / Dec-2-enoic acid / Flavis No. 08.073 [Cats and dogs]
- CAS No. 4861-58-9 / sec-Pentylthiophene / Flavis No. 15.096 [Cats and dogs]
- CAS No. 505-57-7 / 2-Hexenal; hex-2-enal / Flavis No. 05.189 [Cats and dogs]
- CAS No. 534-22-5 / 2-Methylfuran / Flavis No. 13.030 [Cats and dogs]
- CAS No. 541-31-1 / 3-Methylbutane-1-thiol / Flavis No. 12.171 [Cats and dogs]
- CAS No. 7367-88-6 / Ethyl dec-2-enoate / Flavis No. 09.283 [Cats and dogs]
- CAS No. 75853-49-5 / 12-Methyltridecanal / Flavis No. 05.169 [Cats and dogs]
- CAS No. 76649-16-6 / Ethyl dec-4-enoate / Flavis No. 09.284 [Cats and dogs]
- CAS No. 766-92-7 / Benzyl methyl sulfide / Flavis No. 12.077 [Cats and dogs]
- CAS No. 7774-82-5 / Tridec-2-enal / Flavis No. 05.078 [Cats and dogs]
- CAS No. 95-87-4 / 2,5-Dimethylphenol / Flavis No. 04.019 [Cats and dogs]
- Enzymes; E 1612; Preparation of endo-1,3(4)-beta-glucanase / EC 3.2.1.6 and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Aspergillus niger (phoenicis)* (NRRL 25541) and of alphaamylase / EC 3.2.1.1 produced by *Aspergillus oryzae* (ATCC 66222) [Piglets (Weaned)]
- Enzymes; E 1625; Preparation of endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Trichoderma longibrachiatum* (ATCC 2106), endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (IMI SD 135), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553) and polygalacturonase / EC 3.2.1.15 produced by *Aspergillus aculeatus* (CBS 589.94) [Piglets (Weaned)]
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Cattle for fattening]
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Dairy cows]



- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Piglets (Weaned)]
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Sows]
- Micro-organisms; E 1706; *Enterococcus faecium* DSM 7134, *Lactobacillus rhamnosus* DSM 7133 [Calves]
- Micro-organisms; E 1715; *Lactobacillus acidophilus* D2/CSL CECT 4529 [Laying hens]

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Lactobacillus buchneri* KKP. 907
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* C KKP/788/p
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* DSM 11520
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* KKP/593/p
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* PL14D/CSL

**101<sup>st</sup> Edition:** published on 12 November 2010

Information:

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

- 1; a; Preservatives; E 237; Sodium formate
- 1; a; Preservatives; E 238; Calcium formate
- 1; a; Preservatives; E 295; Ammonium formate
- 1; a; Preservatives; E 338; Orthophosphoric acid
- 1; Binders, anti-caking agents and coagulants; E 551c; Kieselgur (diatomaceous earth, purified)
- 1; Binders, anti-caking agents and coagulants; E 552; Calcium silicate, synthetic
- 1; Binders, anti-caking agents and coagulants; E 559; Kaolinitic clays, free of asbestos
- 1; Binders, anti-caking agents and coagulants; E 562; Sepiolite
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 401; Sodium alginate [Fish; Pets and other non food producing animals (non-food fur animals)]
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 493; Sorbitan monolaurate
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 463; Hydroxypropylcellulose
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 487; Polyethyleneglycol ester of fatty acids from soya oil [Calves]
- 1; j; Acidity regulators; E 510; Ammonium chloride [Cats; Dogs]
- 2; a (iii); Other colourants; E 160b; Bixin [Ornamental fish]
- 2; a; Carotenoids and xanthophylls; E 160c; Capsanthin [Poultry]
- 2; a; Carotenoids and xanthophylls; E 161b; Lutein [Poultry]

- 2; a; Other colourants; *Relevant E number*; Brilliant Blue FCF E 133; Vegetal Carbon E 153; Iron Oxide Red, Black & Yellow E 172, Chlorophyllin Copper Complex E 141; Caramel colours E150b, E150c and E150d as colouring agents authorised for colouring foodstuffs by Community rules, other than Patent blue V, Acid brilliant green BS, and Canthaxanthin [All species or categories of animals with the exception of dogs and cats; Dogs; Cats]
- 2; b; *Allium cepa* L.: Onion absolute CoE 24 / Onion concentrate CoE 24 / Onion oleoresin CoE 24 / Onion extract CoE 24 / Onion oil CAS 8002-72-0 FEMA 2817 CoE 24 EINECS 232-498-2 / Onion tincture CoE 24
- 2; b; *Allium sativum* L.: Garlic oleoresin CAS 8000-78-0 CoE 26 EINECS 232-371-1 / Garlic oil CAS 8000-78-0 FEMA 2503 CoE 26 EINECS 232-371-1 / Garlic tincture CoE 26
- 2; b; *Anthemis nobilis* L.: Chamomile flower tincture CoE 48
- 2; b; *Artemisia absinthium* L.: Wormwood oil CAS 8008-93-3 FEMA 3116 CoE 61 EINECS
- 2; b; *Artemisia annua* L.: Annual mugwort extract / Annual mugwort oil
- 2; b; *Artemisia cina* Berg. : Artemisia wormseeds tincture CoE 63
- 2; b; *Artemisia dracunculus* L.: Tarragon oil CAS 8016-88-4 FEMA 3043 CoE 64 EINECS 290-356-5
- 2; b; *Artemisia pallens* Wall.: Davana oil CAS 8016-03-3 FEMA 2359 CoE 69 EINECS 295-155-6
- 2; b; *Artemisia vulgaris* L.: Armoise / Mugwort oil CAS 8008-93-3 CoE 72 EINECS 284-503-2
- 2; b; *Boswellia serrata* Roxb. Ex Colebr.: Olibanum extract [Cats and dogs]
- 2; b; *Carlina acaulis* L.: Carline thistle tincture
- 2; b; *Chamomilla recutita* (L.) Rauschert.: Chamomile flower oil CAS 8022-66-2 FEMA 2273 CoE 273 EINECS 282-006-5
- 2; b; *Cynara scolymus* L.: Artichoke extract CoE 565 / Artichoke tincture CoE 565
- 2; b; *Echinacea angustifolia* DC.: Blacksamson echinacea tincture
- 2; b; *Echinacea purpurea* (L.) Moench.: Echinacea tincture
- 2; b; *Inula helenium* L.: Elecampane root tincture CoE 240
- 2; b; *Plantago ovata* L.: Fleawort absolute [Cats and dogs]
- 2; b; *Silybum marianum* (L.) Gaertn. = *Carduus marianus* L. : Milk thistle extract CoE 551 / Milk thistle tincture CoE 551
- 2; b; *Solidago virgaurea* L.: Goldenrot tincture
- 2; b; *Stevia rebaudiana* (Bertoni) Hemsl.: Stevia extract CoE 552
- 2; b; *Tagetes erecta* L., *T. glandulifera* Schrank., *T. minuta* L. e.a. : Tagetes oil CAS 8016-
- 2; b; *Tanacetum vulgare* L.: Tansy tincture CoE 446
- 2; b; *Taraxacum officinale* Wiggers: Dandelion root solid extract CAS 68990-74-9 FEMA 2358 CoE 447 EINECS 273-624-6 / Dandelion leaves solid extract CoE 447 / Dandelion fluid extract CAS 68990-74-9 FEMA 2357 CoE 447 EINECS 273-624-6
- 2; b; *Vanilla planifolia* G.Jacks. = *V. fragrans* Salisb.: Vanilla extract CAS 8024-06-4 FEMA 3105 CoE 474 EINECS 283-521-8 / Vanilla tincture CoE 474
- 2; b; *Yucca mohavensis* Sarg. = *Y. schidigera* Roehl ex Ortgies: Mojave yucca extract CAS 90147-57-2 FEMA 3121 EINECS 290-449-0 / Mojave yucca tincture 284-503-2 / Wormwood tincture CoE 61 84-0 FEMA 3040 CoE 443/494 EINECS 294-862-7

- 5; Coccidiostats and other medicinal substances; E 764; Halofuginone [Chickens for fattening; turkeys for fattening]
- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Calves]
- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Piglets]
- Micro-organisms; E 1705; *Enterococcus faecium* NCIMB 10415 [Sows]
- Micro-organisms; E 1707; *Enterococcus faecium* DSM 10663/NCIMB 10415 [Dogs]
- Micro-organisms; E 1713; *Enterococcus faecium* CECT 4515 [Piglets (Weaned)]

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Enterococcus faecium* CNCM I-3236 / ATCC 19434
- 1; k; 2 - Microorganisms; *Lactobacillus buchneri* NCIMB 30139
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* Aber F1 NCIMB 41028
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* L54 NCIMB 30148
- 1; k; 2 - Microorganisms; *Pediococcus pentosaceus* NCIMB 30089
- 1; k; 2 - Microorganisms; *Propionibacterium acidipropionici* CNCM MA 26/4U
- 1; k; 3- Substances; E 250 Sodium nitrite
- 1; k; 3- Substances; Hexamethylene tetramine [Bovines; Ovines; Pigs; Poultry; Rabbits; Horses; Goats]
- 1; k; 3- Substances; Sodium benzoate
- 1; k; 1 - Enzymes; Alpha-amylase EC 3.2.1.1 from *Aspergillus oryzae*
- 1; k; 1 - Enzymes; Alpha-amylase EC 3.2.1.1 from *Bacillus amyloliquefaciens*
- 1; k; 1 - Enzymes; Alpha-amylase EC 3.2.1.1 from *Bacillus subtilis*
- 1; k; 1 - Enzymes; Cellulase EC 3.2.1.4 from *Aspergillus niger*
- 1; k; 1 - Enzymes; Cellulase EC 3.2.1.4 from *Trichoderma longibrachiatum*
- 1; k; 1 - Enzymes; Beta-glucanase EC 3.2.1.6 from *Aspergillus niger*
- 1; k; 1 - Enzymes; Xylanase EC 3.2.1.8 from *Trichoderma longibrachiatum*

**100<sup>th</sup> edition:** published on 8 November 2010

Additions:

- 4; a; Digestibility enhancers; 4a6; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (holder of authorisation DSM Nutritional Products Ltd., represented by DSM Nutritional Products Sp. Z.o.o.) [Sows]; Reg (EU) No 999/2010 of 5 November 2010 in OJ L 290, 06.11.2010, p. 24
- 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

## Information:

After the edition 100, the appendix 3 will be split. The list of modifications for versions 0 to 50 will be in separate file.

From November 9, 2010, the new version (0.43) of the PDF form of Annex 1 will be available on the page [http://ec.europa.eu/food/food/animalnutrition/feedadditives/guidelines\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/guidelines_en.htm)

Make sure to refresh the page to download the latest version.

Please note that the checkbox for "*Authorisation of an existing product (Article 10(2) or 10(7) of Regulation (EC) No 1831/2003*" is no longer available, the deadline for submitting the dossier under Article 10(2) or 10(7) has been reached.

The use of PDF forms version 0.33 and 0.40 is no longer allowed for article 10 and not recommended.

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

- 1; a; Preservatives; E 240; Formaldehyde [Pigs] N.B. See 1k Silage only for All species or categories of Animals
- 1; a; Preservatives; E 250; Sodium nitrite [Dogs; Cats]
- 1; a; Preservatives; E 280; Propionic acid
- 1; a; Preservatives; E 281; Sodium propionate
- 1; a; Preservatives; E 282; Calcium propionate
- 1; a; Preservatives; E 284; Ammonium propionate
- 1; a; Preservatives; E 330; Citric acid
- 1; Binders, anti-caking agents and coagulants; E 558; Bentonite-montmorillonite
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 462; Ethylcellulose
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 460; Microcrystalline cellulose
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 466; Carboxymethylcellulose (Sodium salt of carboxymethyl ether of cellulose)
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 411; Tamarind seed flour
- 2; a (iii); Other colourants; E 102; Tartrazine [Grain-eating ornamental birds; Small rodents; Ornamental fish]
- 2; a (iii); Other colourants; E 124; Ponceau 4 R [Ornamental fish]
- 2; a; Carotenoids and xanthophylls; E 160f; Ethyl ester of beta-apo-8'-carotenoic acid [Poultry]
- 2; a; Other colourants; *Relevant E number*; Caramel colours E150b, E150c and E150d as colouring agents authorised for colouring foodstuffs by Community rules, other than Patent blue V, Acid brilliant green BS, and Canthaxanthin [All species or categories of animals with the exception of dogs and cats; Dogs; Cats]
- 3; a; Chemically well defined substances having a similar biological effect to vitamins; **Betaine** / Betaine anhydrous
- 3; a; Chemically well defined substances having a similar biological effect to vitamins; **Inositol**
- 3; a; Chemically well defined substances having a similar biological effect to vitamins; **Omega-6 Essential Unsaturated Fatty acids** (as octadecadienoic acid)
- 3; a; Vitamins and provitamins; E 672; **Vitamin A** [Chickens for fattening ; Ducks for fattening; Turkeys for fattening ; Lambs for fattening ; Pigs for fattening; Bovines for fattening; Calves for fattening ; Others species or categories of animals]

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Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- 3; a; Vitamins and provitamins; **Vitamin B12** / Cyanocobalamin
- 3; b; Trace elements; E 3; **Cobalt - Co**, Basic cobaltous carbonate, monohydrate
- 3; b; Trace elements; E 3; **Cobalt - Co**, Cobaltous acetate, tetrahydrate
- 3; b; Trace elements; E 3; **Cobalt - Co**, Cobaltous sulphate, heptahydrate
- 3; b; Trace elements; E 7; **Molybdenum - Mo**, Sodium molybdate
- 3; c; Amino acids, their salts and analogues; 3.1.3.; Methionine / Methionine-zinc, technically pure
- CAS No. 85-32-5 / Disodium guanosine 5'-monophosphate (GMP)

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Lactobacillus casei* ATCC 7469
- 1; k; 2 - Microorganisms; *Lactobacillus cellobiosus* Q1
- 1; k; 2 - Microorganisms; *Lactobacillus collinoides* DSMZ 16680
- 1; k; 2 - Microorganisms; *Lactobacillus paracasei* 30151
- 1; k; 2 - Microorganisms; *Lactobacillus paracasei* NCIMB 30151
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* 16627
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* NCIMB 40027
- 1; k; 2 - Microorganisms; *Lactococcus lactis lactis* 30044
- 1; k; 2 - Microorganisms; *Lactococcus lactis lactis* NCIMB 30044
- 1; k; 2 - Microorganisms; *Pediococcus acidilactici* 30005
- 1; k; 2 - Microorganisms; *Pediococcus pentosaceus* NCIMB 30068
- 1; k; 2 - Microorganisms; *Saccharomyces cerevisiae* IFO 0203
- 1; k; 3- Substances; E 240; Formaldehyde

99<sup>th</sup> edition: published on 4 November 2010

#### Information:

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

- 1; a; Preservatives; E 200; Sorbic acid
- 1; b; E 321; Butylated hydroxytoluene (BHT) [All species or categories of animals except dogs; Dogs]
- 1; Binders, anti-caking agents and coagulants; E 551a; Silicic acid, precipitated and dried
- 1; Binders, anti-caking agents and coagulants; E 551b; Colloidal silica
- 1; Binders, anti-caking agents and coagulants; E 563; Sepiolitic clay
- 1; Binders, anti-caking agents and coagulants; E 567; Clinoptilolite of volcanic origin [Pigs, Rabbit; Poultry]
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 407; Carrageenan [Pets and other non food producing animals (non-food fur animals)]
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 415; Xanthan gum

- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 406; Agar [Pets and other non food producing animals (non-food fur animals)]
- 1; h; Radioactive caesium binders (137Cs and 134Cs); 1.1; Ferric (III) ammonium hexacyanoferrate (II) [Ruminants (domestic and wild); Calves prior to the state of rumination; Lambs prior to the state of rumination; Kids prior to the state of rumination; Pigs (domestic and wild)]
- 2; a (iii); Other colourants; E 172; Iron oxide, red [Ornamental fish]
- 2; b; *Andrographis paniculata* Nees: King of bitter extract; CoE 37
- 2; b; *Bacopa monnieri* (L.) Pennell: Thyme leaved gratiola tincture
- 2; b; *Bambusa* sp, tincture
- 2; b; *Cymbopogon nardus* (L.) W. Wats.: Citronella oil CAS 8000-29-1; FEMA 2308; CoE 39; EINECS 289-753-6
- 2; b; *Eucalyptus globulus* Labill.: Eucalyptus oil CAS 8000-48-4; FEMA 2466; CoE 185; EINECS 283-406-2 / Eucalyptus tincture; CoE 185
- 2; b; *Eugenia caryophyllus* (C. Spreng.) Bull. = *Caryophyllus aromaticum* L.: Clove leaf oil CAS 8000-34-8; FEMA 2325; CoE 188; EINECS 284-638-7 / Clove stem oil CAS 8000-34-8; FEMA 2328; CoE 188
- 2; b; *Harpagophytum procumbens* DC.: Devil's claw / grapple extract / Devil's claw / grapple tincture
- 2; b; *Lavandula angustifolia* Mill., *L. angustifolia* x *L. latifolia*: Lavender oil CAS 8000-28-0; FEMA 2622; CoE 257; EINECS 289-995-2 / Lavender tincture; CoE 257
- 2; b; *Lavandula latifolia* Medik.: Spike lavender oil; CoE 256
- 2; b; *Leptospermum scoparium* J. R. et G. Forst.: Broom teatree oil
- 2; b; *Lythrum salicaria* L.: Purple loosestrife tincture
- 2; b; *Melaleuca alternifolia* Cheel.: Tea tree oil CAS 68647-73-4; FEMA 3902; CoE 275; EINECS 285-377-1
- 2; b; *Melaleuca cajuputi* Powell = *M. leucadendron* L.: Melaleuca cajuputi oil; CoE 276
- 2; b; *Melaleuca viridiflora* Soland ex Gaertn.: Niaouli oil
- 2; b; *Melissa officinalis* L.: Balm leaves oil CAS 8014-71-9 FEMA 2113 CoE 280 EINECS 282-007-0 / Melissa balm tincture CoE 280
- 2; b; *Melissa officinalis* L.: Melissa oil; CoE 280 / Balm leaves extract CAS 84082-61-1; FEMA 2112; CoE 280; EINECS 282-007-0
- 2; b; *Mentha arvensis* L.: Mentha arvensis oil CAS 68917-18-0; CoE 492; EINECS 290-058-5 / Cornmint
- 2; b; *Mentha pulegium* L.: Pennyroyal oil CAS 8013-99-8; FEMA 2839; CoE 283; EINECS 290-061-1
- 2; b; *Mentha spicata* L.: Spearmint oil native CAS 8008- 79-5; FEMA 3032; CoE 285; EINECS 283-656-2 / Spearmint oil terpenless CAS 8008-79-5; CoE 285; EINECS 283-656-2
- 2; b; *Mentha x piperita* L. = *M. aquatica* x *M. spicata* L.: Peppermint oil CAS 8006-90-4; FEMA 2848; CoE 282; EINECS 308-770-2 / Peppermint tincture; CoE 282
- 2; b; *Ocimum basilicum* L.: Basil oil CAS 8015-73-4; FEMA 2119; CoE 308; EINECS 283-900-8 / Basil tincture; CoE 308
- 2; b; *Olea europaea* L.: Olive extract

- 2; b; *Origanum heracleoticum* L.: Greek oregano extract / oleoresin / Greek oregano oil
- 2; b; *Origanum majorana* L. = *Majorana hortensis* Moench.: Marjoram oil sweet CAS 8015-01-8; FEMA 2663; CoE 316; EINECS 282-004-4
- 2; b; *Origanum vulgare* L., *Lippia* ssp.: Oregano oil; CoE 317 / Oregano tincture; CoE 317
- 2; b; *Pelargonium asperum* Her. Ex Spreng.: Geranium oil
- 2; b; *Pelargonium graveolens* L'Herit. Ex Ait. : Geranium rose oil CAS 8000-46-2; FEMA 2508; CoE 324; EINECS 290-140-0
- 2; b; *Pimenta dioica* L. Merr. = *P. officinalis* Lind L.: Allspice oil CAS 8006-77-7; FEMA 2018; CoE 335; EINECS 284-540-4
- 2; b; *Pimenta racemosa* (Mill.) J.W.Moore : Bay oil CAS 8006-78-8; CoE 334
- 2; b; *Pogostemon cablin* (Blanco) Benth.: Patchouli oil CAS 8014-09- 3; FEMA 2838; CoE 353; EINECS 282-493-4
- 2; b; *Punica granatum* L.: Pomegranate bark extract CAS 84961-57-9; FEMA 2918; CoE 38
- 2; b; *Rosmarinus officinalis* L.: Rosemary oil CAS 8000-25-7; FEMA 2992; CoE 406; EINECS 283-291-9 / Rosemary oleoresin / Rosemary extract CAS 84604-14- 8; CoE 406; EINECS 283-291-9 / Rosemary tincture; CoE 406
- 2; b; *Salvia lavandulifolia* Vahl: Spanish sage oil CAS 8016- 65-7; FEMA 3003; CoE 413
- 2; b; *Salvia officinalis* L.: Sage oil CAS 8022-56-6; FEMA 3001; CoE 414; EINECS 283-291-0 / Sage tincture; CoE 414
- 2; b; *Salvia sclarea* L.: Clary sage oil CAS 8016-63-5; FEMA 2321; CoE 415; EINECS 283-911-8
- 2; b; *Satureja hortensis* L.: Savory summer oil CAS 8016-68-0; FEMA 3013; CoE 425; EINECS 283-922-8 / Savory summer tincture; CoE 425
- 2; b; *Tabebuia impetiginosa* (Mart. Ex DC.) Toledo: Pau d'arco tincture
- 2; b; *Thymus capitatus* Hoffm. & Link. = *Coridothymus capitatus* L.: Thymus, Origanum oil CAS 8007-11-2; FEMA 2828; CoE 454; EINECS 290-371-1
- 2; b; *Thymus mastichina* L.: Spanish marjoram oil CAS 8016-33-9; EINECS 284-294-8
- 2; b; *Thymus serpyllum* L.: Wild thyme tincture; CoE 455
- 2; b; *Thymus vulgaris* L., *T. zygis* L.: Thyme oil CAS 8007- 46-3; FEMA 3064; CoE 456/457; EINECS 284-535-7 / oleoresin CAS 8007-46-3; CoE 456/457; EINECS 284-535-7 / Thyme oleoresin red CAS 8007- 46-3; CoE 456/457; EINECS 284- 535-7 / Thyme oleoresin grey; CoE / Thyme extract / Thyme tincture; CoE 456/457
- 2; b; *Vetiveria zizanoides* (L.) Nash.: Vetiver oil CAS 8016-96-4; CoE 479; EINECS 282-490-8
- 2; b; *Vitex agnus-castus* L.: Lilac chastetree tincture
- 3; a; Chemically well defined substances having a similar biological effect to vitamins; **Carnitine** / L-Carnitine- L-Tartrate (LCLT)
- 3; a; Chemically well defined substances having a similar biological effect to vitamins; **Carnitine** / L-Carnitine
- 3; a; Vitamins and provitamins; **Folic acid**
- 3; a; Vitamins and provitamins; **Vitamin B2** / Riboflavin-5'-phosphate ester monosodium salt
- 3; b; Trace elements; E 1; **Iron - Fe**, Ferric oxide

- 3; c; Amino acids, their salts and analogues; 3.2.4.; Lysine / Concentrated liquid L-lysine monohydrochloride
- Enzymes; E 1606; Preparation of endo-1,4-beta-xylanase produced by *Bacillus subtilis* (LMG-S15136) [Pigs for Fattening; Turkeys for fattening]
- Enzymes; E 1606; Preparation of endo-1,4-beta-xylanase produced by *Bacillus subtilis* (LMG-S15136) [Laying hens]
- Enzymes; E 1606; Preparation of endo-1,4-beta-xylanase produced by *Bacillus subtilis* (LMG-S15136) [Chickens for fattening]
- Enzymes; E 1606; Preparation of endo-1,4-beta-xylanase produced by *Bacillus subtilis* (LMG-S15136) [Piglets (Weaned)]
- Enzymes; E 1634; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Aspergillus niger* (MUCL 39199) [Chickens for fattening]
- Enzymes; E 1636; Preparation of endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (CBS 526.94 / EC 3.2.1.6) [Chickens for fattening]
- Enzymes; E 1636; Preparation of endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (CBS 526.94 / EC 3.2.1.6) [Piglets (weaned)]
- Enzymes; E 1641; Endo-1,4-beta-xylanase produced by *Trichoderma longibrachiatum* (MUCL 39203) / EC 3.2.1.8 [Chickens for fattening]

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Bacillus subtilis* MBS-BS-01
- 1; k; 2 - Microorganisms; *Lactococcus lactis* CCM 4754, NCIMB 30117
- 1; k; 2 - Microorganisms; *Lactococcus lactis* SR 3.54 NCIMB 30117

98<sup>th</sup> edition: published on 29 October 2010

#### Information:

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

- 1; a; Preservatives; 237a; Potassium diformate
- 1; a; Preservatives; E 260; Acetic acid
- 1; a; Preservatives; E 262; Sodium diacetate
- 1; a; Preservatives; E 263; Calcium acetate
- 1; a; Preservatives; E 332; Potassium citrates [Cats and dogs]
- 1; b; E 300; L-Ascorbic acid
- 1; b; E 301; Sodium L-ascorbate
- 1; b; E 302; Calcium L-ascorbate
- 1; b; E 304; 6-Palmityl-L-ascorbic acid
- 1; Binders, anti-caking agents and coagulants; E 568; Clinoptilolite of sedimentary origin [Pigs for fattening; Chickens for fattening; Turkeys for fattening; Bovine; Salmon]
- 1; j; Acidity regulators; E 503(ii); Ammonium hydrogen carbonate [Cats; Dogs]
- 2; a; Carotenoids and xanthophylls; E 161i; Citranaxanthin [Laying hens]



- 2; b; *Anethum graveolens* L.: Dill herb oil CAS 8006-75-5 FEMA 2383 CoE 42 EINECS 289-790-8 / Dill tincture CoE 42 / Dill seed extract CAS 8006-75-5 CoE 42 EINECS 289-790-8
- 2; b; *Anethum graveolens* L.: Dill herb oil CAS 8006-75-5 FEMA 2383 CoE 42 EINECS 289-790-8 / Dill tincture CoE 42 / Dill seed extract CAS 8006-75-5 CoE 42 EINECS 289-790-8
- 2; b; *Angelica sinensis* (Oliv.) Diels: Dong quai tincture
- 2; b; *Apium graveolens* L.: Celery seed oil CAS 8015-90-5 FEMA 2271 CoE 52 EINECS 289-668-4 / Celery seed extract CAS 89997-35-3 FEMA 2270 CoE 52 EINECS 289-668-4 / Celery tincture CoE 52
- 2; b; Artificial substances; E 954(iii); Sodium saccharin [Piglets]
- 2; b; Artificial substances; E 959; Neohesperidine dihydrochalcone [Piglets; Dogs; Calves; Ovines]
- 2; b; *Astragalus membranaceus* L. = *A. pycnocladus* Boiss.et Haussk. Ex Boiss.: Astragalus tincture
- 2; b; *Betula pendula* Roth = *B. alba* L.: Birch tincture CoE 88
- 2; b; *Bupleurum rotundifolium* L.: Hare's ear tincture
- 2; b; *Cananga odorata* (Lam.) Hook. Et Thoms.: Ylang-ylang absolute CAS 8006-81-3 CoE 103 EINECS 297-681-1 / Ylang-ylang oil CAS 8006-81-3 FEMA 3119 CoE 103 EINECS 297-681-1
- 2; b; *Carum carvi* L. = *Apium carvi* L.: Caraway seed extract /oleoresin CAS 8000-42-8 CoE 112 EINECS 288-921-6 / Caraway seed oil CAS 8000-42-8 FEMA 2238 CoE 112 EINECS 288-921-6
- 2; b; *Cinnamomum aromaticum* Nees, C. cassia Nees ex Blume: Cassia bark extract CAS 84961-46-6 FEMA 2257 CoE 131 EINECS 284-635-0 / Cassia concrete CoE 131 / Cassia oleoresin CAS 84961-46-6 CoE 131 EINECS 284-635-0 / Cassia oil CAS 8007-80-5 FEMA 2258 CoE 131 EINECS 284-635-0 / Cassia leaf oil CAS 8015-91-6 FEMA 2292 CoE 131 EINECS 284-635-0 / Cassia tincture CoE 131
- 2; b; *Cinnamomum camphora* L.: Camphor absolute CoE 130 / Camphor oil white CAS 8008-51-3 FEMA 2231 CoE 130 EINECS 294-760-2 / Camphor oil brown CAS 8008-51-3 CoE 130 EINECS 294-760-2 / Camphor oil yellow CAS 8008-51-3 CoE 130 EINECS 294-760-2 / Camphor tincture CoE 130
- 2; b; *Cinnamomum zeylanicum* Bl., C. verum J.S. Presl: Cinnamom CAS 84961-46-6 FEMA 2289 CoE 133 EINECS 284-635-0 / Cinnamom bark extract CAS 84961-46-6 FEMA 2290 CoE 133 / Cinnamom bark oleoresin CAS 84961-46-6 FEMA 2290 CoE 133 EINECS 283-479-0 / Cinnamom bark oil CAS 8015-91-6 FEMA 2291 CoE 133 EINECS 283-479-0 / Cinnamom leaf oil CAS 8015-91-6 FEMA 2292 CoE 133 EINECS 284-635-0 / Cinnamom tincture CoE 133
- 2; b; *Coriandrum sativum* L.: Coriander oil CAS 8008-52-4 FEMA 2334 CoE 154 EINECS 283-880-0
- 2; b; *Cuminum cyminum* L.: Cumin oil CAS 8014-13-9 FEMA 2340 CoE 161 EINECS 283-881-6
- 2; b; *Curcuma longa* L.: Turmeric extract CAS 8024-37-1 FEMA 3086 CoE 163 EINECS 283-882-1 / Turmeric oleoresin CAS 84775-52-0 FEMA 3087 CoE 163 EINECS 283-882-1 / Turmeric oil CAS 8024-37-1 FEMA 3085 CoE 163 EINECS 283-882-1 / Turmeric tincture CoE 163
- 2; b; *Cytisus scoparius* (L.) Link: Common broom tincture CoE 170
- 2; b; *Eleutherococcus senticosus* Rupr. Et Maxim. = *Acanthopanax* s. Harms: Taiga root extract / Taiga root tincture

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Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- 2; b; *Elletaria cardamomum* (L.) Maton: Cardamom oil; CAS 85940-32-5; FEMA 2240; CoE 180; EINECS 288-922-1
- 2; b; *Ferula assa-foetida* L, extract
- 2; b; *Foeniculum vulgare* Mill.: Fennel oil bitter CAS 8006-84-6 CoE 201 EINECS 283-414-6 / Fennel oil sweet CAS 8006-84-6 FEMA 2483 CoE 200 EINECS 282-892-3 / Fennel tincture CoE 200/201
- 2; b; *Glycyrrhiza glabra* L.: Licorice extract CAS 97676-23-8 FEMA 2628 CoE 218 EINECS 272-837-1 / Licorice tincture CoE 218
- 2; b; *Hedera helix* L.: Common ivy extract
- 2; b; *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
- 2; b; *Laurus nobilis* L.: Laurel leaves extract / oleoresin CAS 84603-73-6 FEMA 2613 CoE 255 EINECS 283-272-5 / Laurel leaves oil CAS 8002-41-3 CoE 255 EINECS 283-272-5 / Laurel tincture CoE 255
- 2; b; *Litsea cubeba* Pers.: Litsea berry absolute CoE 491 / Litsea cubeba berry oil CAS 68855-99-2 FEMA 3846 CoE 491 EINECS 290-018-7 / Litsea berry extract CoE 491
- 2; b; *Medicago sativa* L.: Alfalfa tincture CoE 274
- 2; b; *Myristica fragrans* Houtt.: Nutmeg extract CAS 84082-68-8 CoE 296 EINECS 282-013-3 / Nutmeg oleoresin CAS 84082-68-8 CoE 296 EINECS 282-013-3 / Mace oleoresin / extract CAS 8007-12-3 FEMA 2654 CoE 296 EINECS 282-013-3 / Mace oil CAS 8007-12-3 FEMA 2653 CoE 296 EINECS 282-013-3 / Nutmeg oil CAS 8008-45-5 FEMA 2793 CoE 296 EINECS 282-013-3 / Mace / Nutmeg tincture CoE 296
- 2; b; *Myroxylon balsamum* (L.) Harms var. *pereirae*: Balsam Peru oil CAS 8007-00-9 FEMA 2117 CoE 298 EINECS 232-352-8 / Balsam Peru extract CAS 8007-00-9 CoE 298 EINECS 232-352-8
- 2; b; *Myroxylon balsamum* (L.) Harms: Tolu balsam extract CAS 9000-64-0 FEMA 3069 CoE 297 EINECS 232-550-4
- 2; b; *Opoponax chironium* (L.) Koch, *Commiphora erythrea* Engler: Opoponax oil CAS 8021-36-1 CoE 313 EINECS 232-558-8
- 2; b; *Panax ginseng* C. A. Mey.: Ginseng tincture CoE 318
- 2; b; *Petroselinum sativum* Hoffm. = *P. crispum* Mill. = *P. hortense* L.: Parsley leaf oil CAS 8000-68-6 FEMA 2836 CoE 326 EINECS 281-677-1 / Parsley seed oil CAS 8000-68-6 CoE 326 EINECS 281-677-1 / Parsley tincture CoE 326
- 2; b; *Peumus boldus* Mol.: Boldo absolute CoE 328 / Boldo extract CoE 328 / Boldo oil CoE 328 / Boldo tincture CoE 328
- 2; b; *Pimpinella anisum* L.: Anise oil CAS 84775-42-8 FEMA 2094 CoE 336 EINECS 283-872-7 / Anise tincture CoE 336
- 2; b; *Pinus* spp., e.g. *P. sylvestris* L. : Pine tincture CoE 340
- 2; b; *Piper methysticum* G. Forst.: Kawa-kawa absolute / Kawa-kawa extract / Kawa-kawa oil / Kawa-kawa tincture
- 2; b; *Piper nigrum* L.: Pepper absolute black CAS 8006-82-4 CoE 347 EINECS 284-524-7 / Pepper oil black CAS 8006-82-4 FEMA 2845 CoE 347 EINECS 284-524-7 / Pepper oil white CAS 8006-82-4 FEMA 2851 CoE 347 EINECS 284-524-7 / Pepper oleoresin / extract black CAS 84929-41-9 FEMA 2846 CoE 347 EINECS 284-524-7 / Pepper oleoresin white CAS 84929-41-9 FEMA 2852 CoE 347 EINECS 284-524-7 / Pepper tincture CoE 347
- 2; b; *Quillaja saponaria* Molina: Quillaia extract CoE 391

Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- 2; b; *Sambucus canadensis* L., *S. nigra* L.: Elder flowers / Elderberry tincture CoE 417
- 2; b; *Schisandra chinensis* (Turcz.) Baill.: Omicha tincture
- 2; b; *Sophora japonica* L.: Pagoda tree oil
- 2; b; *Trachyspermum ammi* (L.) Sprag. Et Turr.: Ajowan oil
- 2; b; *Trigonella foenum-graecum* L.: Fenugreek absolute CAS 84625-40-1 FEMA 2486 CoE 460 EINECS 283-415-1 / Fenugreek extract CAS 84625-40-1 FEMA 2485 CoE 460 EINECS 283-415-1 / Fenugreek oleoresin CAS 84625-40-1 FEMA 2486 CoE 460 EINECS 283-415-1 / Fenugreek tincture CoE 460
- 2; b; *Valeriana officinalis* L.: Valerian root extract CAS 92927-02-1 FEMA 3099 CoE 473 / Valerian root tincture CoE 473
- 2; b; *Viburnum prunifolium* L.: Black snow ball tincture CoE 480
- 2; b; *Zingiber officinale* Rosc.: Ginger extract CAS 84696-15-1 FEMA 2521 CoE 489 EINECS 283-634-2 / Ginger oleoresin CAS 84696-15-1 FEMA 2523 CoE 489 EINECS 283-634-2 / Ginger oil CAS 8007-08-7 FEMA 2522 CoE 489 EINECS 283-634-2 / Ginger tincture CoE 489
- 3; a; Chemically well defined substances having a similar biological effect to vitamins; **Betaine** / Betaine hydrochloride
- 3; a; Chemically well defined substances having a similar biological effect to vitamins; **Taurine**
- 3; a; Vitamins and provitamins; E 300; **Vitamin C** / L-Ascorbic acid
- 3; a; Vitamins and provitamins; E 301; **Vitamin C** / Sodium L-ascorbate
- 3; a; Vitamins and provitamins; E 302; **Vitamin C** / Calcium L-ascorbate
- 3; a; Vitamins and provitamins; E 304; **Vitamin C** / 6-Palmityl-L-ascorbic acid
- 3; a; Vitamins and provitamins; **Vitamin C** / Ascorbyl monophosphate Calcium sodium salt
- 3; b; Trace elements; E 6; **Zinc - Zn**, Zinc acetate, dihydrate
- 3; b; Trace elements; E 6; **Zinc - Zn**, Zinc chloride, monohydrate
- 3; b; Trace elements; E 6; **Zinc - Zn**, Zinc sulphate, heptahydrate
- Enzymes; 53; Preparation of endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), bacillolysin / EC 3.4.24.28 produced by *Bacillus amyloliquefaciens* (DSM 9554) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Laying hens]
- Enzymes; E 1603; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94) [Chickens for fattening]
- Enzymes; E 1603; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94) [Piglets (Weaned)]
- Enzymes; E 1604; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Penicillium funiculosum* (IMI SD 101) [Chickens for fattening]
- Enzymes; E 1604; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Penicillium funiculosum* (IMI SD 101) [Pigs for fattening]
- Enzymes; E 1604; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Penicillium funiculosum* (IMI SD 101) [Laying hens; Turkeys for fattening]

- Enzymes; E 1604; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Penicillium funiculosum* (IMI SD 101) [Ducks for fattening; Piglets (weaned)]
- Enzymes; E 1620; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), bacillolysin / EC 3.4.24.28 produced by *Bacillus amyloliquefaciens* (DSM 9554) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Turkeys for fattening; piglets (weaned)]
- Enzymes; E 1620; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), bacillolysin / EC 3.4.24.28 produced by *Bacillus amyloliquefaciens* (DSM 9554) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Chickens for fattening]
- Enzymes; E 1621; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94) , alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Chickens for fattening]
- Enzymes; E 1621; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94) , alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Turkeys for fattening]
- Enzymes; E 1621; Preparation of endo-1,3(4)-betaglucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94) , alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Laying hens]

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 3- Substances; Sodium bisulphate

Removal:

*NOTA : The entries grayed in edition 95 are removed.*

97<sup>th</sup> edition: published on 25 October 2010

Information:

A new version (0.40) of the PDF form of Annex 1 is available on the page [http://ec.europa.eu/food/food/animalnutrition/feedadditives/guidelines\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/guidelines_en.htm)

Make sure to refresh the page to download the latest version.

Please note that, after November 8, 2010. The checkbox for "*Authorisation of an existing product (Article 10(2) or 10(7) of Regulation (EC) No 1831/2003*" will no longer be available.

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

- 1; a; Preservatives; E 215; Sodium ethyl 4-hydroxybenzoate [Cats & Dogs]
- 1; a; Preservatives; E 223; Sodium metabisulphite [Dogs; Cats]
- 1; a; Preservatives; E 331; Sodium citrates [Cats and dogs]
- 1; Binders, anti-caking agents and coagulants; E 560; Natural mixtures of steatites and chlorite
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 499; Cassia gum [Dogs; Cats]
- 3; a; Vitamins and provitamins; E 671; Vitamin D / Vitamin D3 [Pigs; Piglets; Bovines; Ovines; Calves; Equines; Chickens for fattening; Turkeys; Other poultry; Fish; Other species or categories of animals]
- 3; b; Trace elements; E 6; Zinc - Zn, Zinc sulphate, monohydrate
- Enzymes; E 1628; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105) [Pigs for fattening]
- Enzymes; E 1628; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105) [Piglets (Weaned)]

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Enterococcus faecium* BIO 34
- 1; k; 2 - Microorganisms; *Enterococcus faecium* CCM 6226
- 1; k; 2 - Microorganisms; *Enterococcus faecium* M74 NCIMB 11181
- 1; k; 2 - Microorganisms; *Enterococcus faecium* NCIMB 10415
- 1; k; 2 - Microorganisms; *Enterococcus faecium* NCIMB 11181
- 1; k; 2 - Microorganisms; *Enterococcus faecium* SF202 DSM 4788 ATCC 53519
- 1; k; 2 - Microorganisms; *Enterococcus faecium* SF301 DSM 4789 ATCC 55593
- 1; k; 2 - Microorganisms; *Lactobacillus brevis* DSM 12835
- 1; k; 2 - Microorganisms; *Lactobacillus paracasei* DSM 16773
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* DSM 12836
- 1; k; 2 - Microorganisms; *Pediococcus acidilactici* DSM 11673
- 1; k; 2 - Microorganisms; *Pediococcus pentosaceus* DSM 12834

96<sup>th</sup> edition: published on 19 October 2010

Additions:

- CAS No. 7048-04-6 / L-Cysteine HCl monohydrate

### Information:

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

- 1; a; Preservatives; E 202; Potassium sorbate [All animal species except cats and dogs]
- 1; a; Preservatives; E 270; Lactic acid
- 1; a; Preservatives; E 296; DL-Malic acid
- 1; a; Preservatives; E 297; Fumaric acid
- 1; a; Preservatives; E 327; Calcium lactate
- 1; b; E 320; Butylated hydroxyanisole (BHA) [All species or categories of animals except dogs; Dogs]
- 1; b; E 324; Ethoxyquin [All species or categories of animals except dogs; Dogs]
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 414; Acacia (Gum arabic)
- 1; j; Acidity regulators; 296; DL- and L-Malic acid [Cats; Dogs]
- 1; j; Acidity regulators; E 210; Benzoic acid [pigs for fattening]
- 1; j; Acidity regulators; E 350(i); Sodium malate (Salt of DL- or L-Malic Acid) [Cats; Dogs]
- 3; a; Vitamins and provitamins; **Vitamin B1** / Thiamine hydrochloride
- 3; b; Trace elements; E 2; **Iodine - I**, Calcium iodate, anhydrous
- 3; b; Trace elements; E 2; **Iodine - I**, Potassium iodide
- 3; b; Trace elements; E 8; Selenium - Se, Sodium selenate
- CAS No. 10236-47-2 / Naringin / Flavis No. 16.058
- CAS No. 53850-34-3 / Thaumatin
- CAS No. 7048-04-6 / L-Cysteine HCl monohydrate
- CAS No. 72401-53-7 / Tannic acid / Flavis No. 16.080
- Micro-organisms; E 1703; *Saccharomyces cerevisiae* CNCM I-1079 [Piglets]
- Micro-organisms; E 1703; *Saccharomyces cerevisiae* CNCM I-1079 [Sows]
- Micro-organisms; E 1707; *Enterococcus faecium* DSM 10663/NCIMB 10415 [Calves]
- Micro-organisms; E 1707; *Enterococcus faecium* DSM 10663/NCIMB 10415 [Piglets]
- Micro-organisms; E 1707; *Enterococcus faecium* DSM 10663/NCIMB 10415 [Chickens for fattening]
- Micro-organisms; E 1707; *Enterococcus faecium* DSM 10663/NCIMB 10415 [Turkeys for fattening]
- *Citrus limon* (L.) Burm.: Lemon extract CAS 84929-31-7 FEMA 2623 CoE 139

#### NOTE :

Additive "*Citrus limon* (L.) Burm.: Lemon concentrate CoE 139 / Lemon distillate CoE 139 / Lemon extract CAS 84929-31-7 FEMA 2623 CoE 139 / Lemon peel oleoresin CoE 139 / Lemon oil expressed CAS 84929-31-7 FEMA 2625 CoE 139 EINECS 284-515-8 / Lemon oil distilled CAS 8008-56-8 CoE 139 EINECS 284-515-8 / Lemon oil terpenless CAS 68648-39-5 FEMA 2626 CoE 139 / Lemon essence oil phase CoE 139 / Lemon tincture CoE 139 / Lemon terpenes CAS 68917-33-9 CoE 139 / Citrus peels extract CAS 94266-47-4 FEMA 2318 EINECS 304-454-3 " was split in 2, an

application concerning a part of the forms having been received. From this version, the lines will be split whenever needed.

95<sup>th</sup> edition: published on 13 October 2010

Additions:

- 4; a; Digestibility enhancers; 4a12; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) [Turkeys] (holder of authorisation Roal Oy); COMMISSION REGULATION (EU) No 891/2010 of 8 October 2010 in OJ L 266, 09.10.2010, p. 4

Information:

In application of COMMISSION REGULATION (EU) No 892/2010 of 8 October 2010 on the status of certain products with regard to feed additives within the scope of Regulation (EC) No 1831/2003 of the European Parliament and of the Council published in OJ L266 of 9.10.2010, p. 6., some products are no longer considered as feed additives within the scope of Regulation (EC) No 1831/2003. They will be removed from the Register when the Regulations will enter into force, on October 29.

(<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:266:0006:0009:EN:PDF> )

List of the products which are not feed additives within the scope of Regulation (EC) No 1831/2003

- 1.1. Calcium carbonate
- 1.2. Sodium dihydrogen orthophosphate
- 1.3. Disodium hydrogen orthophosphate
- 1.4. Trisodium orthophosphate
- 1.5. Sodium sulphate
- 1.6. Calcium tetrahydrogen diorthophosphate
- 1.7. Calcium hydrogen orthophosphate
- 1.8. Tetrasodium diphosphate
- 1.9. Pentasodium triphosphate
- 1.10. Dicalcium diphosphate
- 1.11. Calcium sulphate, dihydrate
- 1.12. Sodium carbonate
- 1.13. Sodium hydrogen carbonate
- 1.14. Sodium, potassium and calcium salts of edible fatty acids with at least four carbon atoms/stearates
- 1.15. Mono- and diglycerides of fatty acids with at least four carbon atoms
- 1.16. Mono- and diglycerides of edible fatty acids with at least four carbon atoms esterified with the following acids: acetic, lactic, citric, tartaric, mono- and diacetyltartaric
- 1.17. Glycerol
- 1.18. Propane-1,2-diol
- 1.19. Pectins

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

- 1; b; E 306; Tocopherol-rich extracts of natural origin

- 1; b; E 307; Synthetic alpha-tocopherol
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 433; Polyoxyethylene (20)-sorbitan monooleate.
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 484; Glycerol polyethyleneglycol ricinoleate
- CAS No. 104-50-7 / Octano-1,4-lactone / Flavis No. 10.022
- CAS No. 104-61-0 / Nonano-1,4-lactone / Flavis No. 10.001
- CAS No. 104-67-6 / Undecano-1,4-lactone / Flavis No. 10.002
- CAS No. 105-21-5 / Heptano-1,4-lactone / Flavis No. 10.020
- CAS No. 105-53-3 / Diethyl malonate / Flavis No. 09.490
- CAS No. 105-86-2 / Geranyl formate / Flavis No. 09.076
- CAS No. 105-87-3 / Geranyl acetate / Flavis No. 09.011
- CAS No. 105-90-8 / Geranyl propionate / Flavis No. 09.128
- CAS No. 105-91-9 / Neryl propionate / Flavis No. 09.169
- CAS No. 106-02-5 / Pentadecano-1,15-lactone / Flavis No. 10.004
- CAS No. 106-24-1 / Geraniol / Flavis No. 02.012
- CAS No. 106-25-2 / Nerol / Flavis No. 02.058
- CAS No. 106-29-6 / Geranyl butyrate / Flavis No. 09.048
- CAS No. 108-29-2 / Pentano-1,4-lactone / Flavis No. 10.013
- CAS No. 110-15-6 / Succinic acid / Flavis No. 08.024
- CAS No. 110-17-8 / Fumaric acid / Flavis No. 08.025
- CAS No. 1128-08-1 / 3-Methyl-2-pentylcyclopent-2-en-1-one / Flavis No. 07.140
- CAS No. 1191-16-9 / Prenyl acetate / Flavis No. 09.692
- CAS No. 1192-62-7 / 2-Acetylfuran / Flavis No. 13.054
- CAS No. 123-25-1 / Diethyl succinate / Flavis No. 09.444
- CAS No. 123-68-2 / Allyl hexanoate / Flavis No. 09.244
- CAS No. 123-76-2 / 4-Oxovaleric acid / Flavis No. 08.023
- CAS No. 124-76-5 / Isoborneol / Flavis No. 02.059
- CAS No. 125-12-2 / Isobornyl acetate / Flavis No. 09.218
- CAS No. 127-41-3 / alpha-Ionone / Flavis No. 07.007
- CAS No. 13678-67-6 / Difurfuryl Sulfide / Flavis No. 13.056
- CAS No. 13678-68-7 / S-Furfuryl acetothioate / Flavis No. 13.033
- CAS No. 138-22-7 / Butyl lactate / Flavis No. 09.434
- CAS No. 13851-11-1 / Fenchyl acetate / Flavis No. 09.269
- CAS No. 141-12-8 / Neryl acetate / Flavis No. 09.213
- CAS No. 141-97-9 / Ethyl acetoacetate / Flavis No. 09.402
- CAS No. 142-19-8 / Allyl heptanoate / Flavis No. 09.097
- CAS No. 1438-91-1 / Methyl furfuryl Sulfide / Flavis No. 13.053

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Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)



- CAS No. 1490-04-6 / DL-Menthol (racemic) / Flavis No. 02.218
- CAS No. 14901-07-6 / beta-Ionone / Flavis No. 07.008
- CAS No. 1576-95-0 / Pent-2-en-1-ol / Flavis No. 02.050
- CAS No. 1632-73-1 / Fenchyl alcohol / Flavis No. 02.038
- CAS No. 17587-33-6 / Nona-2(trans),6(trans)-dienal / Flavis No. 05.172
- CAS No. 18829-55-5 / Hept-2(trans)-enal / Flavis No. 05.150
- CAS No. 18829-56-6 / trans-2-Nonenal / Flavis No. 05.072
- CAS No. 20279-51-0 / Hexyl lactate / Flavis No. 09.580
- CAS No. 20407-84-5 / Dodec-2(trans)-enal / Flavis No. 05.144
- CAS No. 20777-49-5 / Dihydrocarvyl acetate / Flavis No. 09.216
- CAS No. 2142-94-1 / Neryl formate / Flavis No. 09.212
- CAS No. 2244-16-8 / d-Carvone / Flavis No. 07.146
- CAS No. 2305-05-7 / Dodecano-1,4-lactone / Flavis No. 10.019
- CAS No. 2305-21-7 / Hex-2-en-1-ol / Flavis No. 02.020
- CAS No. 2345-24-6 / Neryl isobutyrate / Flavis No. 09.424
- CAS No. 2345-26-8 / Geranyl isobutyrate / Flavis No. 09.431
- CAS No. 2363-88-4 / 2,4-Decadienal / Flavis No. 05.081
- CAS No. 23696-85-7 / beta-Damascenone / Flavis No. 07.108
- CAS No. 23726-91-2 / tr-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)but-2-en-1-one / Flavis No. 07.224
- CAS No. 23726-92-3 / beta-Damascone / Flavis No. 07.083
- CAS No. 2463-53-8 / Non-2-enal / Flavis No. 05.171
- CAS No. 2463-77-6 / Undec-2(trans)-enal / Flavis No. 05.184
- CAS No. 24851-98-7 / Methyl 3-oxo-2-pentyl-1-cyclopentylacetate / Flavis No. 09.520
- CAS No. 2497-18-9 / Hex-2(trans)-enyl acetate / Flavis No. 09.394
- CAS No. 25152-84-5 / Deca-2(trans),4(trans)-dienal / Flavis No. 05.140
- CAS No. 2548-87-0 / trans-2-Octenal / Flavis No. 05.190
- CAS No. 2679-87-0 / tr-2, cis-6-Nonadien-1-ol / Flavis No. 02.231
- CAS No. 2721-22-4 / Tetradecano-1,5-lactone / Flavis No. 10.016
- CAS No. 2758-18-1 / 3-Methyl-2-cyclopenten-1-one / Flavis No. 07.112
- CAS No. 28588-74-1 / 2-Methylfuran-3-thiol / Flavis No. 13.055
- CAS No. 28588-75-2 / bis-(2-Methyl-3-furyl) disulfide / Flavis No. 13.016
- CAS No. 29066-34-0 / Menthyl acetate / Flavis No. 09.016
- CAS No. 29606-79-9 / Isopulegone / Flavis No. 07.067
- CAS No. 3025-30-7 / Ethyldeca-2(cis),4(trans)-dienoate / Flavis No. 09.260
- CAS No. 30361-29-6 / tr-2, tr-4-Undecadienal / Flavis No. 05.196
- CAS No. 3142-72-1 / 2-Methyl-2-pentenoic acid / Flavis No. 08.055

- CAS No. 3301-94-8 / Nonano-1,5-lactone / Flavis No. 10.014
- CAS No. 3777-69-3 / 2-Pentylfuran / Flavis No. 13.059
- CAS No. 3913-81-3 / trans-2-Decenal / Flavis No. 05.191
- CAS No. 41453-56-9 / Non-2(cis)-en-1-ol / Flavis No. 02.112
- CAS No. 43052-87-5 / alpha-Damascone / Flavis No. 07.134
- CAS No. 4313-03-5 / 2,4-heptadienal, Hepta-2,4-dienal / Flavis No. 05.084
- CAS No. 4437-20-1 / Difurfuryl sulfide / Flavis No. 13.050
- CAS No. 4437-22-3 / Difurfuryl ether / Flavis No. 13.061
- CAS No. 4602-84-0 / 3,7,11-Trimethyldodeca-2,6,10-trien-1-ol / Flavis No. 02.029
- CAS No. 464-49-3 / (1R)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one / Flavis No. 07.215
- CAS No. 4674-50-4 / Nootkatone / Flavis No. 07.089
- CAS No. 4695-62-9 / d-Fenchone / Flavis No. 07.159
- CAS No. 4826-62-4 / 2-Dodecenal / Flavis No. 05.037
- CAS No. 488-10-8 / 3-Methyl-2(pent-2-enyl)cyclopent-2-en-1-one / Flavis No. 07.094
- CAS No. 491-07-6 / d,l-Isomenthone / Flavis No. 07.078
- CAS No. 507-70-0 / Borneol / Flavis No. 02.016
- CAS No. 53398-83-7 / Hex-2-enyl butyrate / Flavis No. 09.396
- CAS No. 5392-40-5 / Citral / Flavis No. 05.020
- CAS No. 539-88-8 / Ethyl 4-oxovalerate / Flavis No. 09.435
- CAS No. 557-48-2 / Nona-2(trans),6(cis)-dienal / Flavis No. 05.058
- CAS No. 57500-00-2 / Methyl furfuryl disulfide / Flavis No. 13.064
- CAS No. 5910-87-2 / tr-2, tr-4-Nonadienal / Flavis No. 05.194
- CAS No. 598-82-3 / Lactic acid / Flavis No. 08.004
- CAS No. 611-13-2 / Methyl 2-furoate / Flavis No. 13.002
- CAS No. 61931-81-5 / Hex-3-enyl lactate / Flavis No. 09.545
- CAS No. 620-02-0 / 5-Methylfurfural / Flavis No. 13.001
- CAS No. 622-45-7 / Cyclohexyl acetate / Flavis No. 09.027
- CAS No. 623-15-4 / 4-(2-Furyl)but-3-en-2-one / Flavis No. 13.044
- CAS No. 623-17-6 / Furfuryl acetate / Flavis No. 13.128
- CAS No. 6485-40-1 / 1-Carvone / Flavis No. 07.147
- CAS No. 65505-17-1 / Methyl 2-methyl-3-furyl disulfide / Flavis No. 13.079
- CAS No. 6728-26-3 / Hex-2(trans)-enal / Flavis No. 05.073
- CAS No. 6750-03-4 / Nona-2,4-dienal / Flavis No. 05.071
- CAS No. 695-06-7 / Hexano-1,4-lactone / Flavis No. 10.021
- CAS No. 698-76-0 / Octano-1,5-lactone / Flavis No. 10.015
- CAS No. 705-86-2 / Decano-1,5-lactone / Flavis No. 10.007
- CAS No. 706-14-9 / Decano-1,4-lactone / Flavis No. 10.017

- CAS No. 710-04-3 / Undecano-1,5-lactone / Flavis No. 10.011
- CAS No. 713-95-1 / Dodecano-1,5-lactone / Flavis No. 10.008
- CAS No. 7492-70-8 / Butyl-O-butyryllactate / Flavis No. 09.491
- CAS No. 76-49-3 / Bornyl acetate / Flavis No. 09.017
- CAS No. 7786-44-9 / Nona-2,6-dien-1-ol / Flavis No. 02.049
- CAS No. 78-59-1 / 3,5,5-Trimethylcyclohex-2-en-1-one / Flavis No. 07.126
- CAS No. 78-98-8 / 2-Oxopropanal / Flavis No. 07.001
- CAS No. 79-69-6 / 4-(2,5,6,6-Tetramethyl-2-cyclohexenyl)-3-buten-2-one / Flavis No. 07.011
- CAS No. 80-59-1 / 2-Methylcrotonic acid / Flavis No. 08.064
- CAS No. 89-78-1 / Menthol / Flavis No. 02.015
- CAS No. 89-80-5 / trans-Menthone / Flavis No. 07.176
- CAS No. 96-48-0 / Butyro-1,4-lactone / Flavis No. 10.006
- CAS No. 97-42-7 / Carvyl acetate / Flavis No. 09.215
- CAS No. 97-64-3 / Ethyl lactate / Flavis No. 09.433
- CAS No. 98-00-0 / Furfuryl alcohol / Flavis No. 13.019
- CAS No. 98-01-1 / Furfural / Flavis No. 13.018
- CAS No. 98-02-2 / 2-Furanmethanethiol / Flavis No. 13.026

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Pediococcus acidilactici* CNCM I-3237 / ATCC 8042
- 1; k; 2 - Microorganisms; *Pediococcus pentosaceus* MBS-PP-01
- 1; k; 2 - Microorganisms; *Pediococcus pentosaceus* NCIMB 12455
- 1; k; 2 - Microorganisms; *Pediococcus pentosaceus* NCIMB 30168
- 1; k; 2 - Microorganisms; *Pediococcus pentosaceus* NCIMB 30171
- 1; k; 2 - Microorganisms; *Pediococcus acidilactici* CNCM MA 18/5M

Removal:

*NOTA : The entries grayed in edition 94 are removed.*

94<sup>th</sup> edition: published on 8 October 2010

Additions:

- 4b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Calves for rearing] (holder of the authorisation Société industrielle Lesaffre); Reg. (EU) No 883/2010 of 7 October 2010 in OJ L 265, 08.10.10, p. 1
- 5; Coccidiostats and other medicinal substances; 5 1 763; Lasalocid A sodium 15 g/100g (Avatec 150 G) CAS number: 25999-20-6 [Turkeys] (holder of authorisation Alpharma (Belgium) BVBA); Reg. (EU) No 874/2010 of 5 October 2010 in OJ L 263, 06.10.2010, p. 1

- 5; Coccidiostats and other medicinal substances; 5 1 772; Narasin 80 g/kg - Nicarbazine 80 g/kg (Maxiban G160) [Chickens for fattening] (holder of authorisation Eli Lilly and Company Ltd); Reg. (EU) No 885/2010 of 7 October 2010 in OJ L 265, 08.10.2010, p. 5
- 5; Coccidiostats and other medicinal substances; 5 1 774; Nicarbazine 250 g/kg [Chickens for fattening] CAS number: 330-95-0 (holder of authorisation Phibro Animal Health SA Belgium); Reg. (EU) No 875/2010 of 5 October 2010 in OJ L 263, 06.10.2010, p. 4

#### Corrigendum:

- 5; Coccidiostats and other medicinal substances; 5 1 763; Lasalocid A sodium 15 g/100g (Avatec 150 G) [Turkeys]; Reg. (EU) No 874/2010 of 5 October 2010 in OJ L 263, 06.10.2010, p. 1 / *Corrigendum* in OJ L 264 of 07.10.2010 p. 19

#### Amendment:

- Reg. (EC) No 2430/1999 is *Amended* by Reg. (EU) No 874/2010 of 5 October 2010 in OJ L 263, 06.10.10, p. 1. "In Annex I to Regulation (EC) No 2430/1999, the entry under the registration number of additive E 763, concerning Lasalocid A sodium, is deleted."
- Reg. (EC) No 1464/2004 is *Amended* by Reg. (EU) No 884/2010 in OJ L 265, 08.10.2010, p. 45; Coccidiostats and other medicinal substances; E 765; Narasin 100 g/kg (Monteban - Monteban G 100) [Chickens for fattening];
- Reg. (EC) No 2430/1999 of 16 November 1999 is *Amended* by Reg. (EU) No 885/2010 OJ L 265, 08.10.2010, p. 5; 5; Coccidiostats and other medicinal substances; E 772; Narasin 80 g/kg - Nicarbazine 80 g/kg (Maxiban G160) [Chickens for fattening] " the provisions on that preparation in Regulation (EC) No 2430/1999 should be deleted."
- Reg. (EC) No 554/2008 of 17 June 2008 is *Amended* by REG. (EU) No 879/2010 of 6 October 2010 in OJ L 264, 07.10.2010, p. 7. Additive 4; a; Digestibility enhancers; 4a5; 6-phytase produced by *Pichia pastoris* (DSM 15927) (Quantum Phytase 2500 D; Quantum Phytase 5000 L) [Chickens for fattening; Ducks for fattening; Turkeys for fattening; Laying hens; Piglets (weaned)];

#### Removal:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- 5; Coccidiostats and other medicinal substances; E 763; Lasalocid A sodium 15 g/100g (Avatec 150 G) [Turkeys]. Replaced by 5 1 763; Reg. (EU) No 874/2010 of 5 October 2010 in OJ L 263, 06.10.2010, p. 1
- 5; Coccidiostats and other medicinal substances; E 772; Narasin 80 g/kg - Nicarbazine 80 g/kg (Maxiban G160) [Chickens for fattening]; Reg. (EC) No 2430/1999 of 16 November 1999. Replaced by 5 1 772; Reg. (EU) No 885/2010 of 7 October 2010 in OJ L 265, 08.10.2010, p. 5

#### Information:

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

- 1; Binders, anti-caking agents and coagulants; E 561; Vermiculite
- 3; b; Trace elements; E 8; **Selenium - Se**, Sodium selenite
- 3; d; Urea and its derivatives; 2.1.1.; Urea, technically pure
- CAS No. 1003-04-9 / 4,5-Dihydrothiophen-3(2H)-one / Flavis No. 15.012
- CAS No. 13623-11-5 / 2,4,5-Trimethylthiazole / Flavis No. 15.019
- CAS No. 137-00-8 / 5-(2-Hydroxyethyl)-4-methylthiazole / Flavis No. 15.014

Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- CAS No. 15679-12-6 / 2-Ethyl 4-methylthiazole / Flavis No. 15.033
- CAS No. 15679-13-7 / 2-Isopropyl-4-methylthiazole / Flavis No. 15.026
- CAS No. 1759-28-0 / 4-Methyl-5-vinylthiazole / Flavis No. 15.018
- CAS No. 18640-74-9 / 2-Isobutylthiazole / Flavis No. 15.013
- CAS No. 24295-03-2 / 2-Acetylthiazole / Flavis No. 15.020
- CAS No. 2530-10-1 / 3-Acetyl-2,5-dimethylthiophene / Flavis No. 15.024
- CAS No. 53956-04-0 / Glycyrrhizic acid, ammoniated / Flavis No. 16.060
- CAS No. 67-03-8 / Thiamine hydrochloride / Flavis No. 16.027
- 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
- CAS No. 95-16-9 / Benzothiazole / Flavis No. 15.016
- Micro-organisms; E 1712; *Pediococcus acidilactici* CNCM MA 18/5M [Chickens for fattening]
- Micro-organisms; E 1712; *Pediococcus acidilactici* CNCM MA 18/5M [Pigs for fattening]

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Lactobacillus brevis* IFA 92
- 1; k; 2 - Microorganisms; *Lactobacillus buchneri* 40177
- 1; k; 2 - Microorganisms; *Lactobacillus buchneri* CCM 1819
- 1; k; 2 - Microorganisms; *Lactobacillus buchneri* LN4637 ATCC PTA-2494
- 1; k; 2 - Microorganisms; *Lactobacillus buchneri* NCIMB 40788
- 1; k; 2 - Microorganisms; *Lactobacillus casei* 32909
- 1; k; 2 - Microorganisms; *Lactobacillus salivarius* CNCM I-3238 / ATCC 11741

93<sup>rd</sup> edition: published on 4 October 2010

#### Information:

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

- 3; a; Vitamins and provitamins; Biotin / D-(+)-biotin
- 3; a; Vitamins and provitamins; Nicotinic acid / Nicotinic acid (niacin)
- 3; a; Vitamins and provitamins; Nicotinic acid / Nicotinic acid amide (nicotinamide-niacinamide) (NA)
- 3; a; Vitamins and provitamins; Vitamin K
- CAS No. 1072-83-9 / 2-Acetylpyrrole / Flavis No. 14.047
- CAS No. 107-35-7 / Taurine / Flavis No. 16.056
- CAS No. 107-95-9 / beta-Alanine / Flavis No. 17.001
- CAS No. 108-48-5 / 2,6-Dimethylpyridine / Flavis No. 14.065
- CAS No. 1122-62-9 / 2-Acetylpyridine / Flavis No. 14.038
- CAS No. 120-72-9 / Indole / Flavis No. 14.007

- CAS No. 123-75-1 / Pyrrolidine / Flavis No. 14.064
- CAS No. 142-47-2 / Monosodium glutamate
- CAS No. 147-85-3 / L-Proline / Flavis No. 17.019
- CAS No. 20662-84-4 / Trimethyloxazole / Flavis No. 13.169
- CAS No. 302-84-1 / Serine / Flavis No. 17.020
- CAS No. 443-79-8 / (d-, l-) Isoleucine / Flavis No. 17.010
- CAS No. 516-06-3 / (DL-) Valine / Flavis No. 17.023
- CAS No. 52-90-4 / L-Cysteine / Flavis No. 17.033
- CAS No. 536-78-7 / 3-Ethylpyridine / Flavis No. 14.061
- CAS No. 56-40-6 / Glycine / Flavis No. 17.034
- CAS No. 56-41-7 / l-Alanine / Flavis No. 17.002
- CAS No. 56-84-8 / Aspartic acid / Flavis No. 17.005
- CAS No. 56-86-0 / L-glutamic acid
- CAS No. 60-18-4 / l-Thyrosine / Flavis No. 17.022
- CAS No. 61-90-5 / l-Leucine / Flavis No. 17.012
- CAS No. 63-68-3 / L-Methionine / Flavis No. 17.027
- CAS No. 63-91-2 / L-Phenylalanine / Flavis No. 17.018
- CAS No. 71-00-1 / (l-) Histidine / Flavis No. 17.008
- CAS No. 72-18-4 / l-Valine / Flavis No. 17.028
- CAS No. 74-79-3 / l-Arginine / Flavis No. 17.003
- CAS No. 83-34-1 / 3-Methylindole / Flavis No. 14.004
- CAS No. 94-62-2 / Piperine / Flavis No. 14.003

92<sup>nd</sup> edition: published on 23 September 2010

#### Corrigendum:

- 3b6.10; Zinc - Zn chelate of hydroxy analogue of methionine [All species] ; Reg. (EU) No 335/2010 of 22 April 2010 / *Corrigendum* DE in OJ L 246 of 18.09.2010 p. 75

#### Removal:

- Enzymes; 7; Endo-1,4-beta-xylanase EC 3.2.1.8 / Endo-1,4-beta-glucanase EC 3.2.1.4 produced by *Aspergillus niger* (CBS 600.94) [Ducks]; Reg. (EC) No 773/2006. Authorisation expired 12.06.2010

#### Information:

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

- 3; b; Trace elements; E 1; **Iron - Fe**, Ferric chloride, hexahydrate
- 3; b; Trace elements; E 1; **Iron - Fe**, Ferrous carbonate
- 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
- CAS No. 1365-19-1 / Linalool oxide / Flavis No. 13.140
- CAS No. 28664-35-9 / 3-Hydroxy-4,5-dimethylfuran-2(5H)-one / Flavis No. 10.030
- CAS No. 3188-00-9 / 4,5-Dihydro-2-methylfuran-3(2H)-one / Flavis No. 13.042
- CAS No. 3658-77-3 / 4-Hydroxy-2,5-dimethylfuran-3(2H)-one / Flavis No. 13.010
- CAS No. 4166-20-5 / 4-Acetoxy-2,5-dimethylfuran-3(2H)-one / Flavis No. 13.099
- CAS No. 698-10-2 / 5-Ethyl-3-hydroxy-4-methylfuran-2(5H)-one / Flavis No. 10.023

91<sup>st</sup> edition: published on 13 September 2010

#### Information:

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

- 1; a; Preservatives; E 202; Potassium sorbate [cats and dogs]
- Micro-organisms; 12; *Lactobacillus farciminis* CNCM MA 67/4R [Chickens for fattening; Turkeys for fattening; Laying hens]
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Cattle for fattening]
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Piglets; Pigs for fattening]
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Piglets; Sows]
- Micro-organisms; E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Rabbits for fattening; Chickens for fattening]
- Micro-organisms; E 1711; *Saccharomyces cerevisiae* CNCM I-1077 [Dairy cows; Cattle for fattening]

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1; k; 2 - Microorganisms; *Lactobacillus pentosus* DSM 14025
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* L-256 NCIMB 30084
- 1; k; 2 - Microorganisms; *Lactobacillus plantarum* LSI NCIMB 30083
- 1; k; 2 - Microorganisms; *Lactobacillus rhamnosus* NCIMB 30121
- 1; k; 2 - Microorganisms; *Lactococcus lactis* NCIMB 30160
- 1; k; 2 - Microorganisms; *Pediococcus acidilactici* 33-06 NCIMB 30086
- 1; k; 2 - Microorganisms; *Pediococcus acidilactici* 33-11 NCIMB 30085
- 1; k; 2 - Microorganisms; *Pediococcus acidilactici* DSM 16243
- 1; k; 2 - Microorganisms; *Pediococcus pentosaceus* DSM 14021

#### Note

- 1; a; Preservatives; E 202; Potassium sorbate is now split in 2 lines : Potassium sorbate [All animal species except cats and dogs] and Potassium sorbate [Cats and dogs] because an application was received only for cats and dogs

90<sup>th</sup> edition: published on 09 September 2010

#### Information:

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

- 3b; Trace elements; E 5; **Manganese - Mn**, Manganese chelate of glycine, hydrate
- 3b; Trace elements; E 5; **Manganese - Mn**, Manganous carbonate
- 3b; Trace elements; E 5; **Manganese - Mn**, Manganous chloride, tetrahydrate
- 3b; Trace elements; E 5; **Manganese - Mn**, Manganous oxide
- 3b; Trace elements; E 5; **Manganese - Mn**, Manganous sulphate, monohydrate
- CAS No. 119-84-6 / 3,4-Dihydrocoumarin / Flavis No. 13.009
- CAS No. 17369-59-4 / 3-Propylidene-phthalide / Flavis No. 10.005
- CAS No. 551-08-6 / 3-Butylidene-phthalide / Flavis No. 10.024

89<sup>th</sup> edition: published on 18 August 2010

#### Information:

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

- 3b; Trace elements; E 6; **Zinc - Zn**, Zinc oxide

Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for the following additives:

- 1k; 2 - Microorganisms; *Lactobacillus buchneri* DSM 12856
- 1k; 2 - Microorganisms; *Lactobacillus buchneri* DSM 16774
- 1k; 2 - Microorganisms; *Lactobacillus paracasei* DSM 16245
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* DSM 12837

88<sup>th</sup> edition: published on 17 August 2010

#### Correction :

- The text "*Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for following additives:*" is changed to "*Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for following additives:*" was changed for the additives belonging to category 1k listed in revisions 84 and 85.



#### Information:

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

- 1b; E 310; Propyl gallate
- 2b; natural products - botanically defined; *Macleaya cordata* (Willd.) R. Br.: Plume poppy absolute / Plume poppy extract / Plume poppy oil / Plume poppy tincture

87<sup>th</sup> edition: published on 9 August 2010

#### Corrigendum:

- Reg. (EC) No 184/2007 4d800, Potassium diformate (Formi LHS) *Corrigendum* of PL version published in OJ L 196 PL 28.07.2010, p. 27

#### Information:

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

- 3c; Amino acids, their salts and analogues; 3.2.2.; Lysine / Concentrated liquid L-lysine (base)
- 3c; Amino acids, their salts and analogues; 3.2.3.; Lysine / L-lysine monohydrochloride, technically pure
- 3c; Amino acids, their salts and analogues; 3.2.5.; Lysine / L-lysine sulphate produced by fermentation with *Corynebacterium glutamicum*
- CAS No. 100-06-1 / 4-Methoxyacetophenone / Flavis No. 07.038
- CAS No. 101-39-3 / alpha-Methylcinnamaldehyde / Flavis No. 05.050
- CAS No. 101-86-0 / alpha-Hexylcinnamaldehyde / Flavis No. 05.041
- CAS No. 103-26-4 / Methyl cinnamate / Flavis No. 09.740
- CAS No. 103-36-6 / Ethyl cinnamate / Flavis No. 09.730
- CAS No. 103-54-8 / Cinnamyl acetate / Flavis No. 09.018
- CAS No. 103-58-2 / 3-Phenylpropyl isobutyrate / Flavis No. 09.428
- CAS No. 103-59-3 / Cinnamyl isobutyrate / Flavis No. 09.470
- CAS No. 103-61-7 / Cinnamyl butyrate / Flavis No. 09.053
- CAS No. 103-95-7 / 3-(p-Cumenyl)-2-methylpropionaldehyde / Flavis No. 05.045
- CAS No. 104-20-1 / 4-(4-Methoxyphenyl)butan-2-one / Flavis No. 07.029
- CAS No. 104-53-0 / 3-Phenylpropanal / Flavis No. 05.080
- CAS No. 104-54-1 / Cinnamyl alcohol / Flavis No. 02.017
- CAS No. 104-55-2 / Cinnamaldehyde / Flavis No. 05.014
- CAS No. 106-68-3 / Octan-3-one / Flavis No. 07.062
- CAS No. 107-87-9 / Pentan-2-one / Flavis No. 07.054
- CAS No. 110-27-0 / Isopropyl tetradecanoate / Flavis No. 09.105
- CAS No. 110-43-0 / Heptan-2-one / Flavis No. 07.002
- CAS No. 110-93-0 / 6-Methylhept-5-en-2-one / Flavis No. 07.015
- CAS No. 111-13-7 / Octan-2-one / Flavis No. 07.019
- CAS No. 112-12-9 / Undecan-2-one / Flavis No. 07.016

- CAS No. 119-61-9 / Benzophenone / Flavis No. 07.032
- CAS No. 122-00-9 / 4-Methylacetophenone / Flavis No. 07.022
- CAS No. 122-40-7 / alpha-Pentylcinnamaldehyde / Flavis No. 05.040
- CAS No. 122-48-5 / Vanillyl acetone / Flavis No. 07.005
- CAS No. 122-57-6 / 4-Phenylbut-3-en-2-one / Flavis No. 07.024
- CAS No. 122-97-4 / 3-Phenylpropan-1-ol / Flavis No. 02.031
- CAS No. 123-96-6 / Octan-2-ol / Flavis No. 02.022
- CAS No. 140-27-2 / Cinnamyl isovalerate / Flavis No. 09.459
- CAS No. 1604-28-0 / 6-Methylhepta-3,5-dien-2-one / Flavis No. 07.099
- CAS No. 21834-92-4 / 5-Methyl-2-phenylhex-2-enal / Flavis No. 05.099
- CAS No. 2442-10-6 / Oct-1-en-3-yl acetate / Flavis No. 09.281
- CAS No. 3391-86-4 / Oct-1-en-3-ol / Flavis No. 02.023
- CAS No. 4312-99-6 / Oct-1-en-3-one / Flavis No. 07.081
- CAS No. 5471-51-2 / 4-(p-Hydroxyphenyl)butan-2-one / Flavis No. 07.055
- CAS No. 589-98-0 / Octan-3-ol / Flavis No. 02.098
- CAS No. 593-08-8 / Tridecan-2-one / Flavis No. 07.103
- 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
- CAS No. 616-25-1 / Pent-1-en-3-ol / Flavis No. 02.099
- CAS No. 621-82-9 / Cinnamic acid / Flavis No. 08.022
- CAS No. 67-63-0 / Isopropanol / Flavis No. 02.079
- CAS No. 689-67-8 / 6,10-Dimethyl-5,9-undecadien-2-one / Flavis No. 07.216
- CAS No. 693-54-9 / Decan-2-one / Flavis No. 07.150
- CAS No. 7779-65-9 / Isopentyl cinnamate / Flavis No. 09.742
- CAS No. 78-93-3 / Butan-2-one / Flavis No. 07.053
- CAS No. 81925-81-7 / 5-Methylhept-2-en-4-one / Flavis No. 07.139
- CAS No. 821-55-6 / Nonan-2-one / Flavis No. 07.020
- CAS No. 89-79-2 / Isopulegol / Flavis No. 02.067
- CAS No. 925-78-0 / Nonan-3-one / Flavis No. 07.113
- CAS No. 93-53-8 / 2-Phenylpropanal / Flavis No. 05.038
- CAS No. 93-92-5 / 1-Phenethyl acetate / Flavis No. 09.178
- CAS No. 97-54-1 / Isoeugenol / Flavis No. 04.004
- CAS No. 98-85-1 / 1-Phenylethan-1-ol / Flavis No. 02.064
- CAS No. 98-86-2 / Acetophenone / Flavis No. 07.004

86<sup>th</sup> edition: published on 2 August 2010

Information:

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

- 3c; Amino acids, their salts and analogues; 3.3.1.; Threonine / L-threonine, technically pure
- CAS No. 101-84-8 / Diphenyl ether / Flavis No. 04.035
- CAS No. 1076-56-8 / 1-Isopropyl-2-methoxy-4-methylbenzene / Flavis No. 04.043
- CAS No. 108-50-9 / 2,6-Dimethylpyrazine / Flavis No. 14.021
- CAS No. 109-08-0 / 2-Methylpyrazine / Flavis No. 14.027
- CAS No. 1124-11-4 / 2,3,5,6-Tetramethylpyrazine / Flavis No. 14.018
- CAS No. 118-71-8 / Maltol / Flavis No. 07.014
- CAS No. 123-32-0 / 2,5-Dimethylpyrazine / Flavis No. 14.020
- CAS No. 13708-12-8 / 5-Methylquinoxaline / Flavis No. 14.028
- CAS No. 13925-00-3 / 2-Ethylpyrazine / Flavis No. 14.022
- CAS No. 13925-07-0 / 2-Ethyl-3,5-dimethylpyrazine / Flavis No. 14.024
- CAS No. 14667-55-1 / 2,3,5-Trimethylpyrazine / Flavis No. 14.019
- CAS No. 150-78-7 / 1,4-Dimethoxybenzene / Flavis No. 04.034
- CAS No. 151-10-0 / 1,3-Dimethoxybenzene / Flavis No. 04.016
- CAS No. 15707-23-0 / 2-Ethyl-3-methylpyrazine / Flavis No. 14.006
- CAS No. 15707-24-1 / 2,3-Diethylpyrazine / Flavis No. 14.005
- CAS No. 18138-04-0 / Diethyl-5-methylpyrazine / Flavis No. 14.056
- CAS No. 22047-25-2 / Acetylpyrazine / Flavis No. 14.032
- CAS No. 220-651-6 / 2-Methoxy-3-methylpyrazine / Flavis No. 14.126
- CAS No. 23747-48-0 / 5H-5-methyl-6,7-dihydrocyclopenta (b)pyrazine / Flavis No. 14.037
- CAS No. 24168-70-5 / 2-(sec-Butyl)-3-methoxypyrazine / Flavis No. 14.062
- CAS No. 24683-00-9 / 2-Isobutyl-3-methoxypyrazine / Flavis No. 14.043
- CAS No. 25680-58-4 / 2-Ethyl-3-methoxypyrazine / Flavis No. 14.112
- CAS No. 2785-89-9 / p-methylanisole, 1-Methoxy-4-methylbenzene / Flavis No. 04.015
- CAS No. 32974-92-8 / 2-Acetyl-3-ethylpyrazine / Flavis No. 14.049
- CAS No. 34413-35-9 / 5,6,7,8-Tetrahydroquinoxaline / Flavis No. 14.015
- CAS No. 3558-60-9 / 2-Methoxyethyl benzene / Flavis No. 03.006
- CAS No. 55031-15-7/ 2-ethyl-3,(5or6)di methylpyrazine / Flavis No. 14.100
- CAS No. 5910-89-4 / 2,3-Dimethylpyrazine / Flavis No. 14.050
- CAS No. 63450-30-6 / 2,5 or 6-methoxy-3-methylpyrazine / Flavis No. 14.025
- CAS No. 93-04-9 / 2-Methoxynaphthalene / Flavis No. 04.074
- CAS No. 93-16-3 / 1,2-Dimethoxy-4-(prop-1-enyl)benzene / Flavis No. 04.013

85<sup>th</sup> edition: published on 26 July 2010

Removal:

NOTA : The entries grayed in edition 84 are removed.

Information:

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

- 1; Binders, anti-caking agents and coagulants; E 535; Sodium Ferrocyanide
- 1; Binders, anti-caking agents and coagulants; E 536; Potassium Ferrocyanide
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* DSM 16565
- 3b; Trace elements; E 1; **Iron - Fe**, Ferrous chelate of amino acids, hydrate
- 3b; Trace elements; E 5; **Manganese - Mn**, Manganese chelate of amino acids hydrate
- 3c; Amino acids, their salts and analogues; 3.4.1.; Tryptophan / L-tryptophan, technically pure
- Enzymes; E 1616; Preparation of endo-1,4-beta-glucanase produced by *Trichoderma longibrachiatum* (IMI SD 142) / EC 3.2.1.4 [Chickens for fattening]
- Enzymes; E 1616; Preparation of endo-1,4-beta-glucanase produced by *Trichoderma longibrachiatum* (IMI SD 142) / EC 3.2.1.4 [Piglets (weaned)]

84<sup>th</sup> edition: published on 19 July 2010

Removal:

- 1k; 2 - Microorganisms; *Lactobacillus plantarum* CNCM MA 18/5U. This strain is the same as *Lactobacillus plantarum* DSM 11672

Correction:

- 1k; 2 - Microorganisms; *Lactobacillus plantarum* DSM 11672. Addition of "*Lactobacillus plantarum* CNCM MA 18/5U" because strains are equal.

Information:

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

- 1k; 2 - Microorganisms; *Lactobacillus plantarum* 24011
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* AK 5106 DSM 20174
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* ATCC 8014
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* DSM 11672 = *Lactobacillus plantarum* CNCM MA 18/5U
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* DSM 16568
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* IFA 96
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* LP286 DSM 4784 ATCC 53187
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* LP287 DSM 5257 ATCC 55058
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* LP318 DSM 4785
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* LP319 DSM 4786

- 1k; 2 - Microorganisms; *Lactobacillus plantarum* LP329 DSM 5258 ATCC 55942
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* LP346 DSM 4787 ATCC 55943
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* LP347 DSM 5284 ATCC 55944
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* MBS-LP-01
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* MiLAB 393 LMG-21295
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* NCIMB 30094
- 1k; 2 - Microorganisms; *Lactobacillus plantarum* VTT E-78076
- CAS No. 107-03-9 / 1-Propane-1-thiol / Flavis No. 12.071
- CAS No. 13532-18-8 / Methyl 3-(methylthio)propionate / Flavis No. 12.002
- CAS No. 137-06-4 / 2-Methylbenzene-1-thiol / Flavis No. 12.027
- CAS No. 1618-26-4 / 2,4-Dithiapentane / Flavis No. 12.118
- CAS No. 16630-52-7 / 3-(Methylthio)butanal / Flavis No. 12.056
- CAS No. 2050-87-5 / Diallyl trisulfide / Flavis No. 12.009
- CAS No. 2179-57-9 / Diallyl disulfide / Flavis No. 12.008
- CAS No. 2179-58-0 / Allyl methyl disulfide / Flavis No. 12.037
- CAS No. 2179-60-4 / Methyl propyl disulfide / Flavis No. 12.019
- CAS No. 23654-92-4 / 3,5-Dimethyl-1,2,4-trithiolane / Flavis No. 15.025
- CAS No. 2432-51-1 / S-Methyl butanethioate / Flavis No. 12.032
- CAS No. 3268-49-3 / 3-(Methylthio)propionaldehyde / Flavis No. 12.001
- CAS No. 3658-80-8 / Dimethyl trisulfide / Flavis No. 12.013
- CAS No. 38462-22-5 / 8-Mercapto-p-menthan-3-one / Flavis No. 12.038
- CAS No. 40789-98-8 / 3-Mercaptobutan-2-one / Flavis No. 12.047
- CAS No. 43040-01-3 / 3-Methyl-1,2,4-trithiane / Flavis No. 15.036
- CAS No. 505-10-2 / 3-(Methylthio)propan-1-ol / Flavis No. 12.062
- CAS No. 513-44-0 / 2-Methylpropane-1-thiol / Flavis No. 12.173
- CAS No. 51755-66-9 / 3-(Methylthio)hexan-1-ol / Flavis No. 12.063
- CAS No. 544-40-1 / Dibutyl sulfide / Flavis No. 12.007
- CAS No. 57-06-7 / Allyl isothiocyanate / Flavis No. 12.025
- CAS No. 5756-24-1 / Dimethyl tetrasulfide / Flavis No. 12.116
- CAS No. 592-88-1 / Diallyl sulfide / Flavis No. 12.088
- CAS No. 6028-61-1 / Dipropyl trisulfide / Flavis No. 12.023
- CAS No. 624-92-0 / Dimethyl disulfide / Flavis No. 12.026
- CAS No. 629-19-6 / Dipropyl disulfide / Flavis No. 12.014
- CAS No. 67-68-5 / Methylsulfinylmethane / Flavis No. 12.175
- CAS No. 67715-80-4 / 2-Methyl-4-propyl-1,3-oxathiane / Flavis No. 16.030
- CAS No. 67952-60-7 / 2-Methyl-2-(methylthio)propanal / Flavis No. 12.168
- CAS No. 71159-90-5 / p-Menth-1-ene-8-thiol / Flavis No. 12.085

- CAS No. 74-93-1 / Methanethiol / Flavis No. 12.003
- CAS No. 75-18-3 / Dimethyl sulfide / Flavis No. 12.006
- CAS No. 75-33-2 / Propane-2-thiol / Flavis No. 12.197
- CAS No. 870-23-5 / Allylthiol / Flavis No. 12.004
- E 161y; Astaxanthin-rich *Phaffia rhodozyma* (ATCC SD-5340) [Salmon; Trout]
- E 4; **Copper - Cu**, Basic cupric carbonate, monohydrate
- E 4; **Copper - Cu**, Cupric acetate, monohydrate
- E 4; **Copper - Cu**, Cupric chelate of amino acids hydrate
- E 4; **Copper - Cu**, Cupric chelate of glycine, hydrate
- E 4; **Copper - Cu**, Cupric chloride, dihydrate
- E 4; **Copper - Cu**, Cupric oxide
- E 4; **Copper - Cu**, Cupric sulphate, pentahydrate
- E 566; Natrolite-phonolite
- Methionine / Calcium salt of hydroxy analogue of methionine
- Methionine / Concentrated liquid sodium DL-methionine technically pure
- Methionine / DL-methionine, technically pure
- Methionine / DL-methionine, technically pure protected with copolymer vinylpyridine/styrene
- Methionine / Hydroxy analogue of methionine
- Methionine / Isopropyl ester of the hydroxylated analogue of methionine

83<sup>rd</sup> edition: published on 14 July 2010

Correction:

Minor typo corrected

Information:

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

- CAS No. 10032-11-8 / Hex-3-enyl isovalerate / Flavis No. 09.505
- CAS No. 105-85-1 / Citronellyl formate / Flavis No. 09.078
- CAS No. 106-22-9 / Citronellol / Flavis No. 02.011
- CAS No. 106-23-0 / Citronellal / Flavis No. 05.021
- CAS No. 106-72-9 / 2,6-Dimethylhept-5-enal / Flavis No. 05.074
- CAS No. 112-45-8 / Undec-10-enal / Flavis No. 05.035
- CAS No. 134-20-3 / Methyl anthranilate / Flavis No. 09.715
- CAS No. 141-14-0 / Citronellyl propionate / Flavis No. 09.129
- CAS No. 141-16-2 / Citronellyl butyrate / Flavis No. 09.049
- CAS No. 150-84-5 / Citronellyl acetate / Flavis No. 09.012
- CAS No. 16409-43-1 / 2-(2-Methylprop-1-enyl)-4-methyltetrahydropyran / Flavis No. 13.037

- CAS No. 16491-36-4 / Hex-3-enyl butyrate / Flavis No. 09.270
- CAS No. 20125-84-2 / Oct-3-en-1-ol / Flavis No. 02.094
- CAS No. 2277-19-2 / Non-6(cis)-enal / Flavis No. 05.059
- CAS No. 28069-74-1 / 1-Ethoxy-1-(3-hexenyloxy)ethane / Flavis No. 06.081
- CAS No. 31501-11-8 / Hex-3-enyl hexanoate / Flavis No. 09.27
- CAS No. 33467-73-1 / Hex-3(cis)-enyl formate / Flavis No. 09.240
- CAS No. 35854-86-5 / Non-6-en-1-ol / Flavis No. 02.093
- CAS No. 36431-72-8 / Theaspirane / Flavis No. 13.098
- CAS No. 3681-71-8 / Hex-3(cis)-enyl acetate / Flavis No. 09.197
- CAS No. 41519-23-7 / Hex-3(cis)-enyl isobutyrate / Flavis No. 09.563
- CAS No. 470-82-6 / 1,8-Cineole / Flavis No. 03.001
- CAS No. 502-47-6 / Citronellic acid / Flavis No. 08.036
- CAS No. 6728-31-0 / Hept-4-enal / Flavis No. 05.085
- CAS No. 6789-80-6 / Hex-3(cis)-enal / Flavis No. 05.075
- CAS No. 6790-58-5 / 1,5,5,9-Tetramethyl-13-oxatricyclo [8.3.0.0.(4.9)]tridecane / Flavis No. 13.072
- CAS No. 7540-51-4 / (-)-3,7-Dimethyl-6-octen-1-ol / Flavis No. 02.229
- CAS No. 85-91-6 / Methyl N-methylantranilate / Flavis No. 09.781
- CAS No. 928-91-6 / Hex-4(cis)-en-1-ol / Flavis No. 02.160
- CAS No. 928-96-1 / Hex-3(cis)-en-1-ol / Flavis No. 02.056
- **Vitamin B1** / Thiamine mononitrate
- **Vitamin B2** / Riboflavin

82<sup>nd</sup> edition: published on 1 July 2010

Correction:

- CAS No. 765-70-8 / 3-Methylcyclopentan-1,2-dione / Flavis No. 07.056; CAS No. removed
- Enzymes; E 1621; 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) 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. Expiry date changed to "*Subject to the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003*"

#### Information:

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

- E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Rabbits for fattening]; Reg. (EC) No 600/2005
- E 1704; *Saccharomyces cerevisiae* CBS 493.94 [Calves; Cattle for fattening]; Reg. (EC) No 1812/2005 in OJ L 291, 05.11.2005, p.18
- E 1704; *Saccharomyces cerevisiae* CBS 493.94 [Dairy cows]; Reg. (EC) No 1811/2005 in OJ L 291, 05.11.2005, p. 12

81<sup>st</sup> edition: published on 16 June 2010

#### Additions:

- 1k; 2 - Microorganisms; 1k2101; *Pediococcus pentosaceus* DSM 16244; Reg. (EU) No 514/2010 of 15 June 2010 in OJ L 150, 16.06.2010, p. 42
- Enzymes; E 1621; 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) 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. *NOTA "Initial comments on that application, as provided for in Article 4(4) of Directive 70/524/EEC, were forwarded to the Commission before the date of application of Regulation (EC) No 1831/2003. This application is therefore to continue to be treated in accordance with Article 4 of Directive 70/524/EEC."*

#### Removals:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- 1k; 2 - Microorganisms; *Pediococcus pentosaceus* DSM 16244; Reg. (EC) 1831/2003 in OJ L 268, 18.10.2003, p. 29. Replaced by 1k2101 Reg. (EU) No 514/2010 of 15 June 2010 in OJ L 150, 16.06.2010, p. 42

#### Amendment:

- 4b; Gut flora stabilisers; 4b1821; *Bacillus subtilis* DSM 17299 (O35) (holder of authorisation Chr. Hansen A/S) [Chickens for fattening]; Reg. (EC) No 1137/2007 of 1 October 2007 / Amended by Reg (EC) No 203/2009 of 16 March 2009 / Amended by Reg (EU) No 515/2010 of 15 June 2010 in OJ L 150 of 16.06.2010, p. 44

#### Correction:

- E 763; Lasalocid A sodium 15 g/100g (Avatec 15 % cc; Avatec 150 G) [Chickens for fattening; Chickens reared for laying].

#### Information:

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

- 3a; Vitamins and provitamins; **Choline** / Choline chloride



80<sup>th</sup> edition: published on 15 June 2010

**Information:**

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

- 3a; Vitamins and provitamins; Pantothenic acid / Calcium-D-pantothenate
- 3a; Vitamins and provitamins; Pantothenic acid / D-panthenol

79<sup>th</sup> edition: published on 14 June 2010

**Information:**

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

- Enzymes; 28; 3-Phytase / EC 3.1.3.8 produced by *Trichoderma reesei* (CBS 528.94) [Laying hens]; Reg. (EC) No 252/2006 in OJ L 44, 15.02.2006, p. 3

**Removals:**

*NOTA : The entries grayed in edition 78 are removed.*

78<sup>th</sup> edition: published on 20 May 2010

**Removals:**

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

*The entries grayed in edition 77 are removed.*

- Enzymes; 28; 3-Phytase / EC 3.1.3.8 produced by *Trichoderma reesei* (CBS 528.94) [Laying hens]; Reg. (EC) No 252/2006 in OJ L 44, 15.02.2006, p. 3 ; Authorisation expired 07.03.2010
- Enzymes; 39; Preparation of endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Trichoderma longibrachiatum* (ATCC 2106) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105) [Piglets (Weaned)]; Reg. (EC) No 252/2006 in OJ L 44, 15.02.2006, p. 3; Authorisation expired 07.03.2010
- Enzymes; 53; Preparation of endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), bacillolysin / EC 3.4.24.28 produced by *Bacillus amyloliquefaciens* (DSM 9554) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Turkeys for fattening]; Reg. (EC) No 252/2006 in OJ L 44, 15.02.2006, p. 3; Authorisation expired 07.03.2010

**Information:**

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

- 3-Methylcyclo-pentan-1,2-dione / Flavis No. 07.056
- CAS No. 100-51-6 / Benzyl alcohol / Flavis No. 02.010
- CAS No. 100-52-7 / Benzaldehyde / Flavis No. 05.013
- CAS No. 100-86-7 / 2-Methyl-1-phenylpropan-2-ol / Flavis No. 02.035
- CAS No. 101-41-7 / Methyl phenyl-acetate / Flavis No. 09.783

- CAS No. 101-48-4 / 1,1-Di-methoxy-2-phenyl-ethane / Flavis No. 06.006
- CAS No. 101-97-3 / Ethyl phenyl-acetate / Flavis No. 09.784
- CAS No. 102-13-6 / Isobutyl phenyl-acetate / Flavis No. 09.788
- CAS No. 102-16-9 / Benzyl phenylacetate / Flavis No. 09.705
- CAS No. 102-19-2 / 3-Methylbutyl phenylacetate / Flavis No. 09.789
- CAS No. 102-20-5 / Phenethyl phenylacetate / Flavis No. 09.707
- CAS No. 103-28-6 / Benzyl isobutyrate / Flavis No. 09.426
- CAS No. 103-37-7 / Benzyl butyrate / Flavis No. 09.051
- CAS No. 103-38-8 / Benzyl isovalerate / Flavis No. 09.458
- CAS No. 103-41-3 / Benzyl cinnamate / Flavis No. 09.738
- CAS No. 103-45-7 / Phenethyl acetate / Flavis No. 09.031
- CAS No. 103-48-0 / Phenethyl isobutyrate / Flavis No. 09.427
- CAS No. 103-52-6 / Phenethyl butyrate / Flavis No. 09.168
- CAS No. 103-82-2 / Phenylacetic acid / Flavis No. 08.038
- CAS No. 104-21-2 / p-Anisyl acetate / Flavis No. 09.019
- CAS No. 104-57-4 / Benzyl formate / Flavis No. 09.077
- CAS No. 104-62-1 / Phenethyl formate / Flavis No. 09.083
- CAS No. 104-87-0 / p-Tolualdehyde / Flavis No. 05.029
- CAS No. 105-13-5 / p-Anisyl alcohol / Flavis No. 02.128
- CAS No. 1125-21-9 / 2,6,6-Trimethyl-cyclohex-2-en-1,4-dione / Flavis No. 07.109
- CAS No. 113486-29-6 / 3-Methylnona-2,4-dione 2 / Flavis No. 07.184
- CAS No. 115-95-7 / Linalyl acetate / Flavis No. 09.013
- CAS No. 115-99-1 / Linalyl formate / Flavis No. 09.080
- CAS No. 118-58-1 / Benzyl salicylate / Flavis No. 09.752
- CAS No. 118-61-6 / Ethyl salicylate / Flavis No. 09.748
- CAS No. 119-36-8 / Methyl salicylate / Flavis No. 09.749
- CAS No. 1197-01-9 / 2-(4-Methyl-phenyl) propan-2-ol / Flavis No. 02.042
- CAS No. 120-14-9 / Veratraldehyde / Flavis No. 05.017
- CAS No. 120-50-3 / Isobutyl benzoate / Flavis No. 09.757

- CAS No. 120-51-4 / Benzyl benzoate / Flavis No. 09.727
- CAS No. 120-57-0 / Piperonal / Flavis No. 05.016
- CAS No. 121-33-5 / Vanillin / Flavis No. 05.018
- CAS No. 122-03-2 / 4-Isopropylbenz-aldehyde / Flavis No. 05.022
- CAS No. 122-63-4 / Benzyl propionate / Flavis No. 09.132
- CAS No. 122-78-1 / Phenyl-acetaldehyde / Flavis No. 05.030
- CAS No. 123-11-5 / 4-Methoxybenz-aldehyde / Flavis No. 05.015
- CAS No. 13494-06-9 / 3,4-Dimethyl-cyclopentan-1,2-dione / Flavis No. 07.075
- CAS No. 13494-07-0 / 3,5-Dimethyl-cyclopentan-1,2-dione / Flavis No. 07.076
- CAS No. 135-02-4 / 2-Methoxy-benzaldehyde / Flavis No. 05.129
- CAS No. 140-11-4 / Benzyl acetate / Flavis No. 09.014
- CAS No. 140-26-1 / Phenethyl isovalerate / Flavis No. 09.466
- CAS No. 144-39-8 / Linalyl propionate / Flavis No. 09.130
- CAS No. 149-91-7 / Gallic acid / Flavis No. 08.080
- CAS No. 2050-08-0 / Pentyl salicylate / Flavis No. 09.762
- CAS No. 21835-01-8 / 3-Ethylcyclopentan-1,2-dione / Flavis No. 07.057
- CAS No. 24817-51-4 / Phen-ethyl 2-methyl-butyrate / Flavis No. 09.538
- CAS No. 431-03-8 / Diacetyl / Flavis No. 07.052
- CAS No. 4437-51-8 / Hexan-3,4-dione / Flavis No. 07.077
- CAS No. 4906-24-5 / sec-Butan-3-onyl acetate / Flavis No. 09.186
- CAS No. 513-86-0 / 3-Hydroxybutan-2-one / Flavis No. 07.051
- CAS No. 536-60-7 / 4-Isopropylbenzyl alcohol / Flavis No. 02.039
- CAS No. 5421-17-0 / Hexyl phenylacetate / Flavis No. 09.804
- CAS No. 5457-70-5 / Phenethyl octanoate / Flavis No. 09.262
- CAS No. 562-74-3 / 4-Terpinenol / Flavis No. 02.072
- CAS No. 600-14-6 / Pentan-2,3-dione / Flavis No. 07.060
- CAS No. 60-12-8 / 2-Phenylethan-1-ol / Flavis No. 02.019
- CAS No. 6259-76-3 / Hexyl salicylate / Flavis No. 09.581
- CAS No. 65-85-0 / Benzoic acid / Flavis No. 08.021

- CAS No. 6938-45-0 / Benzyl hexanoate / Flavis No. 09.316
- CAS No. 7212-44-4 / Nerolidol / Flavis No. 02.018
- CAS No. 78-35-3 / Linalyl isobutyrate / Flavis No. 09.423
- CAS No. 78-36-4 / Linalyl butyrate / Flavis No. 09.050
- CAS No. 78-70-6 / Linalool / Flavis No. 02.013
- CAS No. 8000-41-7 / Terpineol / Flavis No. 02.230
- CAS No. 8007-35-0 / Terpineol acetate / Flavis No. 09.830
- CAS No. 87-19-4 / Isobutyl salicylate / Flavis No. 09.750
- CAS No. 87-20-7 / Isopentyl salicylate / Flavis No. 09.751
- CAS No. 90-02-8 / Salicylaldehyde / Flavis No. 05.055
- CAS No. 93-58-3 / Methyl benzoate / Flavis No. 09.725
- CAS No. 93-89-0 / Ethyl benzoate / Flavis No. 09.726
- CAS No. 94-46-2 / Isopentyl benzoate / Flavis No. 09.755
- CAS No. 94-47-3 / Phenethyl benzoate / Flavis No. 09.774
- CAS No. 98-55-5 / Alpha-Terpineol / Flavis No. 02.014

77<sup>th</sup> edition: published on 28 April 2010

Additions:

- 3b4.10; **Copper - Cu** chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 349/2010 of 23 April 2010 in OJ L 104 of 24.04.2010, p. 31
- 3b5.10; **Manganese – Mn** chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 350/2010 of 23 April 2010 in OJ L 104 of 24.04.2010, p. 36
- 3b6.10; **Zinc - Zn** chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 335/2010 of 22 April 2010 in OJ L 102 of 23.04.2010, p. 22
- 3c3.8.1; L-isoleucine with a purity of at least 93,4 % (on dry matter) 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
- 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Calsporin) [Piglets (weaned)]; Reg. (EC) No 333/2010 of 22 April 2010 in OJ L 102, 23.4.2010, p. 19

Amendment:

- 2a(ii)167; Red carotenoidrich *Paracoccus carotinifaciens* [Salmon; Trout]; Reg. (EC) No 721/2008 of 25 July 2008 is Amended by Reg. (EU) No 334/2010 of 22 April 2010 in OJ L 1021, 23.04.2010, p. 21

## Removals:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- 3b410; **Copper** - Cu chelate of hydroxy analogue of methionine [Chickens for fattening]; Reg. (EC) No 1253/2008 of 15 December 2008 is repealed by (EU) No 349/2010 of 23 April 2010 in OJ L 104 of 24.04.2010, p. 22
- 3b5.10; **Manganese** chelate of hydroxy analogue of methionine [chickens for fattening]; Reg. (EU) No 103/2010 of 5 February 2010 is repealed by (EU) No 350/2010 of 23 April 2010 in OJ L 104 of 24.04.2010, p. 31
- 3b6.10; **Zinc** -Zn chelate of hydroxy analogue of methionine [Chickens for fattening]; Reg. (EC) No 888/2009 of 25 September 2009 is repealed by (EU) No 335/2010 of 22 April 2010 in OJ L 102 of 23.04.2010, p. 22

76<sup>th</sup> edition: published on 22 April 2010

## Additions:

- 4a; Digestibility enhancers; 4a1600; 3-phytase produced by *Aspergillus niger* (CBS 101.672) [all minor avian species, other than ducks, and for ornamental birds] (holder of authorisation BASF SE); Reg. (EC) No 327/2010 of 21 April 2010 in OJ L 100, 22.04.2010, p. 3

## Corrigendum:

- Reg. (EC) No 184/2007 4d800, Potassium diformate (Formi LHS) Corrigendum of SL version published in OJ L 99 SL, 21.04.2010, p. 8

75<sup>th</sup> edition: published on 17 April 2010

## Information:

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

- CAS No. 1195-32-0 / 1-Isopropenyl-4-methylbenzene / Flavis No. 01.010
- CAS No. 123-35-3 / Myrcene / Flavis No. 01.008
- CAS No. 127-91-3 / Pin-2(10)-ene / Flavis No. 01.003
- CAS No. 13466-78-9 / delta-3-Carene / Flavis No. 01.029
- CAS No. 13877-91-3 / beta-Ocimene / Flavis No. 01.018
- CAS No. 4180-23-8 / 1-Methoxy-4-(prop-1(trans)-eny)benzene / Flavis No. 04.010
- CAS No. 4630-07-3 / Valencene / Flavis No. 01.017
- CAS No. 495-62-5 / 1,4(8),12-Bisabolatriene / Flavis No. 01.016
- CAS No. 586-62-9 / Terpinolene / Flavis No. 01.005
- CAS No. 5989-27-5 / d-Limonene / Flavis No. 01.045
- CAS No. 5989-54-8 / l-Limonene / Flavis No. 01.046
- CAS No. 6627-88-9 / 4-Allyl-2,6-dimethoxyphenol / Flavis No. 04.051
- CAS No. 79-92-5 / Camphene / Flavis No. 01.009
- CAS No. 80-56-8 / Pin-2(3)-ene / Flavis No. 01.004
- CAS No. 87-44-5 / beta-Caryophyllene / Flavis No. 01.007
- CAS No. 93-28-7 / Eugenyl acetate / Flavis No. 09.020
- CAS No. 97-53-0 / Eugenol / Flavis No. 04.003

- CAS No. 99-83-2 / alpha-Phellandrene / Flavis No. 01.006
- CAS No. 99-85-4 / gamma-Terpinene / Flavis No. 01.020
- CAS No. 99-86-5 / alpha-Terpinene / Flavis No. 01.019
- CAS No. 99-87-6 / 1-Isopropyl-4-methylbenzene / Flavis No. 01.002

*Corrigendum :*

- E 763; Lasalocid A sodium 15 g/100g (Avatec 15 % cc) [Chickens for fattening; Chickens reared for laying]; Corrigendum CS in OJ L 77 24.03.2010 p. 60
- E 763; Lasalocid A sodium 15 g/100g (Avatec 150 G) [Turkeys] ; Corrigendum CS in OJ L 77 24.03.2010 p. 60

74<sup>th</sup> edition: published on 6 April 2010

Additions:

- 4a; Digestibility enhancers; 4a12; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) [Poultry for fattening and breeding other than turkeys for fattening, for poultry for laying and for pigs other than sows] (holder of authorisation Roal Oy); REG. (EU) No 277/2010 of 31 March 2010 in OJ L 86, 01.04.2010, p. 13

Correction:

- Entry corrected : E 763; Lasalocid A sodium 15 g/100g (Avatec 150 G) [Turkeys]

73<sup>rd</sup> edition: published on 16 March 2010

Information:

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

- 1; Binders, anti-caking agents and coagulants; E 565; Lignosulphonates
- CAS No. 10032-13-0 / Hexyl isovalerate / Flavis No. 09.529
- CAS No. 10032-15-2 / Hexyl 2-methylbutyrate / Flavis No. 09.507
- CAS No. 104-76-7 / 2-Ethylhexan-1-ol / Flavis No. 02.082
- CAS No. 105-37-3 / Ethyl propionate / Flavis No. 09.121
- CAS No. 105-54-4 / Ethyl butyrate / Flavis No. 09.039
- CAS No. 105-57-7 / 1,1-Diethoxyethane / Flavis No. 06.001
- CAS No. 105-68-0 / 3-Methylbutyl propionate / Flavis No. 09.136
- CAS No. 106-21-8 / 3,7-Dimethyloctan-1-ol / Flavis No. 02.026
- CAS No. 106-27-4 / 3-Methylbutyl butyrate / Flavis No. 09.055
- CAS No. 106-30-9 / Ethyl heptanoate / Flavis No. 09.093
- CAS No. 106-32-1 / Ethyl octanoate / Flavis No. 09.111
- CAS No. 106-33-2 / Ethyl dodecanoate / Flavis No. 09.099
- CAS No. 106-70-7 / Methyl hexanoate / Flavis No. 09.069
- CAS No. 107-92-6 / Butyric acid / Flavis No. 08.005
- CAS No. 108-64-5 / Ethyl isovalerate / Flavis No. 09.447
- CAS No. 109-19-3 / Butyl isovalerate / Flavis No. 09.449

- CAS No. 109-21-7 / Butyl butyrate / Flavis No. 09.042
- CAS No. 109-52-4 / Valeric acid / Flavis No. 08.007
- CAS No. 109-60-4 / Propyl acetate / Flavis No. 09.002
- CAS No. 109-94-4 / Ethyl formate / Flavis No. 09.072
- CAS No. 110-19-0 / Isobutyl acetate / Flavis No. 09.005
- CAS No. 110-38-3 / Ethyl decanoate / Flavis No. 09.059
- CAS No. 110-39-4 / Octyl butyrate / Flavis No. 09.046
- CAS No. 110-41-8 / 2-Methylundecanal / Flavis No. 05.077
- CAS No. 110-45-2 / 3-Methylbutyl formate / Flavis No. 09.162
- CAS No. 110-62-3 / Pentanal / Flavis No. 05.005
- CAS No. 111-14-8 / Heptanoic acid / Flavis No. 08.028
- CAS No. 111-27-3 / Hexan-1-ol / Flavis No. 02.005
- CAS No. 111-62-6 / Ethyl oleate / Flavis No. 09.192
- CAS No. 111-70-6 / Heptan-1-ol / Flavis No. 02.021
- CAS No. 111-71-7 / Heptanal / Flavis No. 05.031
- CAS No. 111-87-5 / Octan-1-ol / Flavis No. 02.006
- CAS No. 112-05-0 / Nonanoic acid / Flavis No. 08.029
- CAS No. 112-06-1 / Heptyl acetate / Flavis No. 09.022
- CAS No. 112-14-1 / Octyl acetate / Flavis No. 09.007
- CAS No. 112-17-4 / Decyl acetate / Flavis No. 09.009
- CAS No. 112-21-2 / Decanal / Flavis No. 05.010
- CAS No. 112-30-1 / Decan-1-ol / Flavis No. 02.024
- CAS No. 112-44-7 / Undecanal / Flavis No. 05.034
- CAS No. 112-53-8 / Dodecan-1-ol / Flavis No. 02.008
- CAS No. 112-54-9 / Dodecanal / Flavis No. 05.011
- CAS No. 112-66-3 / Dodecyl acetate / Flavis No. 09.010
- CAS No. 112-80-1 / Oleic acid / Flavis No. 08.013
- CAS No. 116-53-0 / 2-Methylbutyric acid / Flavis No. 08.046
- CAS No. 1188-02-9 / 2-Methylheptanoic acid / Flavis No. 08.047
- CAS No. 123-29-5 / Ethyl nonanoate / Flavis No. 09.107
- CAS No. 123-38-6 / Propanal / Flavis No. 05.002
- CAS No. 123-51-3 / Isopentanol / Flavis No. 02.003
- CAS No. 123-66-0 / Ethyl hexanoate / Flavis No. 09.060
- CAS No. 123-72-8 / Butanal / Flavis No. 05.003
- CAS No. 123-86-4 / Butyl acetate / Flavis No. 09.004
- CAS No. 123-92-2 / Isopentyl acetate / Flavis No. 09.024
- CAS No. 124-06-1 / Ethyl tetradecanoate / Flavis No. 09.104
- CAS No. 124-07-2 / Octanoic acid / Flavis No. 08.010

- CAS No. 124-13-0 / Octanal / Flavis No. 05.009
- CAS No. 124-19-6 / Nonanal / Flavis No. 05.025
- CAS No. 140-88-5 / Ethyl acrylate / Flavis No. 09.037
- CAS No. 141-78-6 / Ethyl acetate / Flavis No. 09.001
- CAS No. 142-62-1 / Hexanoic acid / Flavis No. 08.009
- CAS No. 142-92-7 / Hexyl acetate / Flavis No. 09.006
- CAS No. 143-07-7 / Dodecanoic acid / Flavis No. 08.012
- CAS No. 143-08-8 / Nonan-1-ol / Flavis No. 02.007
- CAS No. 143-13-5 / Nonyl acetate / Flavis No. 09.008
- CAS No. 15706-73-7 / Butyl 2-methylbutyrate / Flavis No. 09.519
- CAS No. 2035-99-6 / 3-Methylbutyl octanoate / Flavis No. 09.120
- CAS No. 2050-01-3 / Isopentyl isobutyrate / Flavis No. 09.419
- CAS No. 2177-77-7 / Methyl 2-methylvalerate / Flavis No. 09.549
- CAS No. 2198-61-0 / 3-Methylbutyl hexanoate / Flavis No. 09.070
- CAS No. 2349-07-7 / Hexyl isobutyrate / Flavis No. 09.478
- CAS No. 2396-83-0 / Ethyl hex-3-enoate / Flavis No. 09.191
- CAS No. 2445-77-4 / 2-Methylbutyl isovalerate / Flavis No. 09.531
- CAS No. 25415-62-7 / Pentyl isovalerate / Flavis No. 09.499
- CAS No. 2639-63-6 / Hexyl butyrate / Flavis No. 09.045
- CAS No. 27625-35-0 / Isopentyl 2-methylbutyrate / Flavis No. 09.530
- CAS No. 334-48-5 / Decanoic acid / Flavis No. 08.011
- CAS No. 45019-28-1 / 4-Methylnonanoic acid / Flavis No. 08.062
- CAS No. 503-74-2 / 3-Methylbutyric acid / Flavis No. 08.008
- CAS No. 51115-64-1 / 2-Methylbutyl butyrate / Flavis No. 09.659
- CAS No. 539-82-2 / Ethyl valerate / Flavis No. 09.147
- CAS No. 539-90-2 / Isobutyl butyrate / Flavis No. 09.043
- CAS No. 540-07-8 / Pentyl hexanoate / Flavis No. 09.065
- CAS No. 540-18-1 / Pentyl butyrate / Flavis No. 09.044
- CAS No. 544-63-8 / Tetradecanoic acid / Flavis No. 08.016
- CAS No. 54947-74-9 / 4-Methyloctanoic acid / Flavis No. 08.063
- CAS No. 554-12-1 / Methyl propionate / Flavis No. 09.134
- CAS No. 556-24-1 / Methyl isovalerate / Flavis No. 09.462
- CAS No. 57-10-3 / Hexadecanoic acid / Flavis No. 08.014
- CAS No. 589-59-3 / Isobutyl isovalerate / Flavis No. 09.472
- CAS No. 590-86-3 / 3-Methylbutanal / Flavis No. 05.006
- CAS No. 591-68-4 / Butyl valerate / Flavis No. 09.148
- CAS No. 60-01-5 / Glyceryl tributyrate / Flavis No. 09.211
- CAS No. 623-42-7 / Methyl butyrate / Flavis No. 09.038



- CAS No. 623-70-1 / Ethyl trans-2-butenoate / Flavis No. 09.248
- CAS No. 624-41-9 / 2-Methylbutyl acetate / Flavis No. 09.286
- CAS No. 626-77-7 / Propyl hexanoate / Flavis No. 09.061
- CAS No. 627-90-7 / Ethyl undecanoate / Flavis No. 09.274
- CAS No. 628-97-7 / Ethyl hexadecanoate / Flavis No. 09.193
- CAS No. 6309-51-9 / 3-Methylbutyl dodecanoate / Flavis No. 09.103
- CAS No. 6378-65-0 / Hexyl hexanoate / Flavis No. 09.066
- CAS No. 64-17-5 / Ethanol / Flavis No. 02.078
- CAS No. 64-18-6 / Formic acid / Flavis No. 08.001
- CAS No. 64-19-7 / Acetic acid / Flavis No. 08.002
- CAS No. 659-70-1 / 3-Methylbutyl 3-methylbutyrate / Flavis No. 09.463
- CAS No. 66-25-1 / Hexanal / Flavis No. 05.008
- CAS No. 71-36-3 / Butan-1-ol / Flavis No. 02.004
- CAS No. 71-41-0 / Pentan-1-ol / Flavis No. 02.040
- CAS No. 7452-79-1 / Ethyl 2-methylbutyrate / Flavis No. 09.409
- CAS No. 75-07-0 / Acetaldehyde / Flavis No. 05.001
- CAS No. 77-93-0 / Triethyl citrate / Flavis No. 09.512
- CAS No. 78-83-1 / 2-Methylpropan-1-ol / Flavis No. 02.001
- CAS No. 78-84-2 / 2-Methylpropanal / Flavis No. 05.004
- CAS No. 79-09-4 / Propionic acid / Flavis No. 08.003
- CAS No. 79-20-9 / Methyl acetate / Flavis No. 09.023
- CAS No. 79-31-2 / 2-Methylpropionic acid / Flavis No. 08.006
- CAS No. 868-57-5 / Methyl 2-methylbutyrate / Flavis No. 09.483
- CAS No. 88-09-5 / 2-Ethylbutyric acid / Flavis No. 08.045
- CAS No. 96-17-3 / 2-Methylbutyraldehyde / Flavis No. 05.049
- CAS No. 97-61-0 / 2-Methylvaleric acid / Flavis No. 08.031
- CAS No. 97-62-1 / Ethyl isobutyrate / Flavis No. 09.413
- CAS No. 97-85-8 / Isobutyl isobutyrate / Flavis No. 09.417

Nota :

- The entry grayed in edition 72 is now removed.

72<sup>nd</sup> edition: published on 10 March 2010

Removals:

- 4a; Digestibility enhancers; 4a6; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o.) [Chickens for fattening]; Reg (EC) No 270/2009 of 2 April 2009 in OJ L 091, 03.04.2009, p. 3 was repealed by Reg (EC) No 1088/2009 of 12 November 2009.

71<sup>st</sup> edition: published on 8 March 2010

Information:

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

- 5; Coccidiostats and other medicinal substances; E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) Diclazuril 0,2 g/100 g (Clinacox 0,2 % Premix) [Turkeys for fattening];

70<sup>th</sup> edition: published on 15 February 2010

Information:

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

- Enzymes 5; Preparation of endo-1,4-beta-xylanase EC 3.2.1.8 produced by *Aspergillus oryzae* (DSM 10287) [Pigs for fattening; Ducks]; Reg. (EC) No 2036/2005 of 14 December 2005 in OJ L 328, 15.12.2005, p. 13.
- The entries grayed in edition 69 are now removed.

69<sup>th</sup> edition: published on 9 February 2010

Additions:

- 3b; Trace elements; 3b5.10; **Manganese** chelate of hydroxy analogue of methionine [Chicken for fattening]; REG (EU) No 103/2010 of 5 February 2010 in OJ L 35, 06.02.2010, p. 1
- 4b; Gut flora stabilisers; 4b1823; *Bacillus subtilis* ATCC PTA-6737 (holder of authorisation Kemin Europa NV) [Chickens for fattening]; Reg. (EU) No 107/2010 of 8 February 2010 in OJ L 36, 09.02.2010, p. 1
- 4d; Other zootechnical additives; 4d800; Potassium diformate (Formi LHS) [Sows]; REG (EU) No 104/2010 of 5 February 2010 in OJ L 35, 06.02.2010, p. 4

Removals:

- Growth promoters; 1; Potassium diformate (Formi LHS) [Sows]; Reg. (EC) No 1200/2005 / Amended by Reg. (EC) No 516/2008 / Amended by Reg. (EU) No 104/2010 in OJ L 195, 27.07.2005, p. 6 / Amended by OJ L 151 11.06.2008, p. 3 / Amended by OJ L 35, 6.02.2010, p. 4. Authorisation replaced by 4d800; Potassium diformate (Formi LHS) [Sows]; REG (EU) No 104/2010.
- Enzymes 5; Preparation of endo-1,4-beta-xylanase EC 3.2.1.8 produced by *Aspergillus oryzae* (DSM 10287) [Pigs for fattening; Ducks]; Reg. (EC) No 2036/2005 of 14 December 2005 in OJ L 328, 15.12.2005, p. 13. Authorization expired 04.01.2010
- Enzymes 37; Preparation of endo-1,4-beta-xylanase EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105) and subtilisin EC 3.4.21.62 produced by *Bacillus subtilis* (ATCC 2107) [Ducks]; Reg. (EC) No 2036/2005 of 14 December 2005 in OJ L 328, 15.12.2005, p. 13. Authorization expired 04.01.2010
- Enzymes 59; Preparation of endo-1,4-beta-xylanase EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105), endo-1,3(4)-beta-glucanase EC 3.2.1.6 and alpha-amylase EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), subtilisin EC 3.4.21.62 produced by *Bacillus subtilis* (ATCC 2107), Polygalacturonase EC 3.2.1.15 produced by *Aspergillus aculeatus* (CBS 589.94) [Ducks; Laying hens]; Reg. (EC) No 2036/2005 of 14 December 2005. Authorization expired 04.01.2010

Amendment:

- Reg. (EC) 1200/2005 Amended by Reg. (EU) No 104/2010 in OJ L 35, 6.02.2010, p. 4 (this amendment concerns only the Growth promoters; 1; Potassium diformate)

Information:

- A letter dated 08.02.2010 about the deadline for submitting the applications for re-evaluations ( **8 November 2010** ) was published on page [http://ec.europa.eu/food/food/animalnutrition/feedadditives/guidelines\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/guidelines_en.htm)

68<sup>th</sup> edition: published on 20 January 2010

Corrigendum:

- 4a; Digestibility enhancers; 4a6; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (holder of authorisation DSM Nutritional Products Ltd., represented by DSM Nutritional Products Sp. Z.o.o.) [Piglets (weaned), Pigs for fattening, Poultry for fattening, Poultry for laying]; Reg (EC) No 1088/2009 of 12 November 2009 / *Corrigendum* ES in O.J. L 14 of 20.01.2010 p. 13;

Information:

- 1, k, Silage; *Pediococcus pentosaceus* DSM 16244. The text "*Following the provisions of Art. 10 § 2 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for following additives:*" is changed to "*Following the provisions of Art. 10 § 7 of Reg. (EC) No 1831/2003, an application, in accordance with Article 7, has been submitted for following additives:*"

67<sup>th</sup> edition: published on 7 January 2010

Addition:

- 4a; Digestibility enhancers; 4a11; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588) [chickens for fattening, laying hens, ducks and turkeys for fattening] (holder of authorisation Danisco Animal Nutrition, Finnfeeds International Limited); REG. (EU) No 9/2010 of 23 December 2009 in OJ L 3, 07.01.2010. p. 10
- 4a; Digestibility enhancers; 4a13; serine protease produced by *Bacillus licheniformis* (DSM 19670) [chickens for fattening] (holder of authorisation DSM Nutritional Products Ltd, represented by DSM Nutritional Products Sp.Z.o.o); REG. (EU) No 8/2010 of 23 December 2009 in OJ L 3, 07.01.2010. p. 7

66<sup>th</sup> edition: published on 22 December 2009

Additions:

- Enzyme E 1620; Preparation of endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Aspergillus aculeatus* (CBS 589.94), endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (CBS 592.94), alpha-amylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), bacillolysin / EC 3.4.24.28 produced by *Bacillus amyloliquefaciens* (DSM 9554) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Turkeys for fattening; Piglets (weaned)]; Reg. (EC) No 1270/2009 of 21 December 2009 in OJ L 339, 22.12.2009, p. 28
- Enzyme E 1636; Preparation of endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (CBS 526.94 / EC 3.2.1.6 [Piglets (weaned)]; Reg. (EC) No 1270/2009 of 21 December 2009 in OJ L 339, 22.12.2009, p. 28

Amendment:

- 4a; Digestibility enhancers; 4a 1600; 3-phytase (Natuphos) produced by *Aspergillus niger* (CBS 101.672) [Chickens for fattening; Piglets (weaned); Pigs for fattening]; Reg. (EC)

65<sup>th</sup> edition: published on 7 December 2009

Information:

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

- 2 a (iii); Carotenoids and xanthophylls; E 161j; Astaxanthin [Salmon; Trout; Ornamental fish]

Nota :

- The entry grayed in edition 64 is now removed.

64<sup>th</sup> edition: published on 25 November 2009

Nota :

- The entry grayed in edition 63 is now removed.

Removals:

NOTA : The entry is grayed and will be removed in the next edition of the Register.

- Enzymes 63; Preparation of endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma reesei* (CBS 529.94) and endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Trichoderma reesei* (CBS 526.94) [Turkeys for fattening; Chickens for fattening]; Reg. (EC) No 1811/2005 in OJ L 291, 05.11.2005, p. 12. Authorisation expired 25.11.2009
- Micro-organisms 18; *Enterococcus faecium* CECT 4515 [Chickens for fattening]; Reg. (EC) No 1810/2005 in OJ L 291, 05.11.2005, p. 5. Authorisation expired 25.11.2009

Information:

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

- Enzymes; 11; 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-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 74 252) [Ducks]; Reg. (EC) No 1811/2005 in OJ L 291, 05.11.2005, p. 12

63<sup>rd</sup> edition: published on 17 November 2009

Additions:

- 4a; 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) [Chickens for fattening, Ducks, Turkeys for fattening] (holder of authorisation Danisco Animal Nutrition, legal entity Finnfeeds International Limited); Reg (EC) No 1087/2009 of 12 November 2009 in OJ L 297, 13.11.2009, p. 4
- 4a; Digestibility enhancers; 4a6; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (holder of authorisation DSM Nutritional Products Ltd., represented by DSM Nutritional Products Sp. Z.o.o.) [Piglets (weaned), Pigs for fattening, Poultry for fattening, Poultry for laying]; Reg (EC) No 1088/2009 of 12 November 2009 in OJ L 297, 13.11.2009, p. 6

- 4a; Digestibility enhancers; 4a62; endo-1,4-betaxylanase produced by *Aspergillus niger* (CBS 109.713) [Chickens for fattening, Ducks] (holder of authorisation BASF SE); Reg. (EC) No 1096/2009 of 16 November 2009 in OJ L 301, 17.11.2009, p. 3
- 4a; 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) [chickens for fattening] (holder of authorisation Aveve NV); Reg (EC) No 1091/2009 of 13 November 2009 in OJ L 299, 14.11.2009, p. 6

#### Removals:

NOTA : The entry is grayed and will be removed in the next edition of the Register.

- Enzymes 62; Endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) / EC 3.2.1.8 [Chickens for fattening]; This authorisation is replaced by 4a62 see Reg. (EC) No 1096/2009 of 16 November 2009 in OJ L 301, 17.11.2009, p. 3

#### Information:

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

- 3; a; Vitamins and provitamins; E 160 a; Beta-carotene

#### Correction:

- Entry corrected : 3; a; Vitamins and provitamins; E 160 a; Beta-carotene / (See also category 2; a (iii); Carotenoids and xanthophylls)
- Entry corrected : Enzymes 59 [Turkeys for fattening]

#### Corrigendum:

- 3c3.7.2; Guanidinoacetic acid CAS No 352-97-6 [Chickens for fattening]; *Corrigendum* FI published in OJ L 291 of 07.11.2009, p. 43
- Enzymes 59 ; Preparation of endo-1,4-beta-xylanase EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105), endo-1,3(4)-beta-glucanase EC 3.2.1.6 and alpha-amylase EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553), subtilisin EC 3.4.21.62 produced by *Bacillus subtilis* (ATCC 2107), Polygalacturonase EC 3.2.1.15 produced by *Aspergillus aculeatus* (CBS 589.94) [Turkeys for fattening]; *Corrigendum* FR in OJ L 301 of 17.11.2009, p. 54

62<sup>nd</sup> edition: published on 15 October 2009

#### Nota :

- The entry grayed in edition 61 is now removed.

#### Information:

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

- 2; a (iii); Carotenoids and xanthophylls; E 160a; Beta-carotene [Canaries]; Reg. (EC) No 880/2004 in OJ L 162, 30.4. 2004, p. 68
- 3; a; Vitamins and provitamins; Vitamin B6 / Pyridoxine hydrochloride
- 3; a; Vitamins and provitamins; Vitamin E
- CAS No. 106-44-5 / 4-Methylphenol / Flavis No. 04.028

Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- CAS No. 108-39-4 / 3-Methylphenol / Flavis No. 04.026
- CAS No. 108-46-3 / Benzene-1,3-diol / Flavis No. 04.047
- CAS No. 108-95-2 / Phenol / Flavis No. 04.041
- CAS No. 123-07-9 / 4-Ethylphenol / Flavis No. 04.022
- CAS No. 2785-89-9 / 4-Ethylguaiacol / Flavis No. 04.008
- CAS No. 499-75-2 / Carvacrol / Flavis No. 04.031
- CAS No. 576-26-1 / 2,6-Dimethylphenol / Flavis No. 04.042
- CAS No. 7786-61-0 / 2-Methoxy-4-vinylphenol / Flavis No. 04.009
- CAS No. 88-69-7 / 2-Isopropylphenol / Flavis No. 04.044
- CAS No. 89-83-8 / Thymol / Flavis No. 04.006
- CAS No. 90-05-1 / 2-Methoxyphenol / Flavis No. 04.005
- CAS No. 91-10-1 / 2,6-Dimethoxyphenol / Flavis No. 04.036
- CAS No. 93-51-6 / 2-Methoxy-4-methylphenol / Flavis No. 04.007
- CAS No. 95-48-7 / 2-Methylphenol / Flavis No. 04.027
- CAS No. 95-65-8 / 3,4-Dimethylphenol / Flavis No. 04.048

61<sup>st</sup> edition: published on 30 September 2009

#### Removals:

*NOTA : The entry is grayed and will be removed in the next edition of the Register.*

- E 670 a; Vitamin D / 25-hydroxycholecalciferol. This authorisation is replaced by 3a670a; Vitamin D / Stabilised form of 25-hydroxycholecalciferol; CAS number: 63283-36-3 [Chickens for fattening; Turkeys for fattening; Other poultry; Pigs]; Reg. (EC) No 887/2009 of 25 September 2009 in OJ L 254, 26.09.09, p. 68

#### Amendments:

Due to the deletion of additive E 670 a, the following Regulation is *Amended* by Reg. (EC) No 887/2009 of 25 September 2009 in OJ L 254, 26.09.09, p. 68.

- Coccidiostats and other medicinal substances; E 773; Semduramicin sodium (Aviax 5 %) [Chickens for fattening]; Reg. (EC) No 1443/2006 of 29 September 2006
- Enzymes; E 1628; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105) [Piglets (Weaned)]; Reg. (EC) No 1443/2006 of 29 September 2006
- Enzymes; E 1639; Preparation of 3-phytase produced by *Hansenula polymorpha* (DSM 15087) [Chickens for fattening; Turkeys for fattening; Laying hens; Piglets; Pigs for fattening; Sows]; Reg. (EC) No 1443/2006 of 29 September 2006

60<sup>th</sup> edition: published on 30 September 2009

#### Additions:

- 4a; Digestibility enhancers; 4a1711; *Saccharomyces cerevisiae* CNCM I-1077 [Horses] (holder of authorisation Lallemand SAS); Reg. (EC) No 910/2009 of 29 September 2009 in OJ L 257, 30.09.2009, p. 7
- 4d; Other zootechnical additives; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M [Salmonids; Shrimps] (holder of authorisation Lallemand SAS); Reg. (EC) No 911/2009 of

NOTA : The entries grayed in edition 58 concerning authorisations expired on 30.09.09 are now removed.

59<sup>th</sup> edition: published on 29 September 2009

Additions:

- 3b; Trace elements; 3b8.12; Selenomethionine produced by *Saccharomyces cerevisiae* CNCM I-3399 (Selenised yeast inactivated); Reg. (EC) No 900/2009 of 25 September 2009 in OJ L 256, 29.09.2009, p. 12
- 3c; Amino acids, their salts and analogues; 3c3.7.2; Guanidinoacetic acid CAS No 352-97-6 [Chickens for fattening]; Reg. (EC) No 904/2009 of 28 September 2009 in OJ L 256, 29.09.2009, p. 28
- 4a; Digestibility enhancers; 4a8; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (CBS 114044) [Piglets (weaned); chickens for fattening; chickens reared for laying; turkeys for fattening; turkeys reared for breeding] (holder of authorisation Roal Oy); Reg (EC) No 902/2009 of 28 September 2009 in OJ L 256, 29.09.2009, p. 23
- 4b; Gut flora stabilisers; 4b1710; *Saccharomyces cerevisiae* MUCL 39885 [Sows] (holder of the authorisation Prosol SpA); Reg. (EC) No 896/2009 of 25 September 2009 in OJ L 256, 29.09.2009, p. 6
- 4b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* MIYAIRI 588 (FERM-P 1467) [chickens for fattening] (holder of authorisation Miyarisan Pharmaceutical Co. Ltd, represented by Mitsui & Co. Deutschland GmbH); Reg. (EC) No 903/2009 of 28 September 2009 in OJ L 256, 29.09.2009, p. 26

Amendments:

The following Regulations are Amended by Reg (EC) No 897/2009 of 25 September 2009 in OJ L 256, 29.09.09, p. 8

- 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Dairy goats and dairy sheep]; Reg. (EC) No 188/2007 of 23 February 2007 in OJ L 57, 24.02.2007, p. 3
- 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Horses]; Reg. (EC) No 186/2007 of 21 February 2007 OJ L 63, 01.03.2007, p. 6
- 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Pigs for fattening]; Reg. (EC) No 209/2008 of 6 March 2008 in OJ L 63, 07.03.2008, p. 3
- E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Lambs for fattening]; Reg. (EC) No 1447/2006 of 29 September 2006 ; L 271, 30.09.2006, p. 28

The following Regulation is Amended by Reg (EC) No 899/2009 of 25 September 2009 in OJ L 256, 29.09.09, p. 11

- Regulation (EC) No 1290/2008 as regards the name of the holder of the authorisation of a preparation of *Lactobacillus rhamnosus* (CNCM-I-3698) and *Lactobacillus farciminis* (CNCM-I-3699) (Sorbiflore) [Piglets]

The following Regulation is Amended by Reg (EC) No 905/2009 of 28 September 2009 in OJ L 256, 29.09.09, p. 30

- Regulation (EC) No 537/2007 as regards the name of the holder of the authorisation of the fermentation product of *Aspergillus oryzae* (NRRL 458) (Amaferm)

#### Information:

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

- Micro-organism 15; *Enterococcus faecium* NCIMB 11181 [Chickens for fattening]; Reg. (EC) No 1810/2005 in OJ L 291, 05.11.2005, p. 5

*NOTA : The entries grayed in edition 58 concerning authorisations expired on 29.09.09 are now removed.*

58<sup>th</sup> edition: published on 28 September 2009

#### Additions:

- 3a; Vitamins and provitamins; 3a670a; Vitamin D / Stabilised form of 25-hydroxycholecalciferol; CAS number: 63283-36-3 [Chickens for fattening; Turkeys for fattening; Other poultry; Pigs]; Reg. (EC) No 887/2009 of 25 September 2009 in OJ L 254, 26.09.09, p. 68
- 3b; Trace elements; 3b6.10; **Zinc -Zn** chelate of hydroxy analogue of methionine [Chickens for fattening]; Reg. (EC) No 888/2009 of 25 September 2009 in OJ L 254, 26.09.2009, p. 71
- 4a; Digestibility enhancers; 4a1704; *Saccharomyces cerevisiae* CBS 493.94 [Horses]; (holder of authorisation Alltech France); Reg. (EC) No 886/2009 of 25 september 2009 in OJ L 254, 26.09.2009, p. 66

#### Information:

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

- 62; Endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) / EC 3.2.1.8 [Chickens for fattening]; Reg. (EC) No 1458/2005 in OJ L 233, 09.09.2005, p. 3
- E 1710; *Saccharomyces cerevisiae* MUCL 39885 [Dairy cows]; Reg. (EC) No 1520/2007 in OJ L 333 of 20.12.07, p. 54
- E 1710; *Saccharomyces cerevisiae* MUCL 39885 [Cattle for fattening]; Reg. (EC) No 492/2006 in OJ L 89 of 27.03.2006, p. 6

#### Removals:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- Coccidiostats and other medicinal substances; E 764; Halofuginone hydrobromide 6 g/kg (Stenorol) [Chickens reared for laying] ; authorisation expired 30/9/09
- Coccidiostats and other medicinal substances; E 771; Diclazuril 0,2 g/100 g (Clinacox 0,2 % Premix) [Chickens for fattening] ; authorisation expired 30/9/09
- Enzymes; 54; 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), alphaamylase / EC 3.2.1.1 produced by *Bacillus amyloliquefaciens* (DSM 9553) and endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma viride* (NIBH FERM BP 4842) [Laying hens]; authorisation expired 29/9/09
- Enzymes; 60; Preparation of endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (ATCC 2105), endo-1,3(4)-beta-glucanase / EC 3.2.1.6 produced by *Trichoderma longibrachiatum* (ATCC 2106) [Turkeys for fattening] ; authorisation expired 29/9/09



57<sup>th</sup> edition: published on 3 August 2009

Information:

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

- E 1710; *Saccharomyces cerevisiae* MUCL 39885 [Piglets (Weaned)]

56<sup>th</sup> edition: published on 30 June 2009

Corrigendum:

- *Corrigendum* to version DE of Reg (EC) No 379/2009 of 8 May 2009 published in OJ L 168 DE of 30.06.09 p. 56.

Information:

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

- 1, k, Silage; *Pediococcus pentosaceus* DSM 16244
- 1,a, Preservatives; E 236 Formic acid
- E 1700; *Bacillus licheniformis* (DSM 5749), *Bacillus subtilis* (DSM 5750) (In a 1/1 ratio) [Turkeys for fattening; Calves] Reg. (EC) No 600/2005 / Amended by Reg. (EC) No 2028/2006 of 18 December 2006 / Amended by Reg. (EC) No 202/2009 of 16 March 2009
- 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
- E 1700; *Bacillus licheniformis* (DSM 5749), *Bacillus subtilis* (DSM 5750) (In a 1/1 ratio) [Pigs for fattening; Piglets]; Reg. (EC) No 2148/2004 of 16 December 2004
- E 1708; *Enterococcus faecium* NCIMB 11181 [Calves; Piglets]; Reg. (EC) No 1333/2004 in OJ L 247, 21.07.2004, p. 11
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55<sup>th</sup> edition: published on 24 June 2009

Information:

- Information about animal species added or improved for various additives.
- Microorganisms used for production added for various enzymes.

54<sup>th</sup> edition: published on 18 June 2009

Information:

- Information about animal species added or improved for various additives.
- Microorganisms used for production added for various enzymes.

53<sup>rd</sup> edition: published on 2 June 2009

Information:

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

- Growth promoters 1; Potassium diformate (Formi LHS) [Sows]

52<sup>nd</sup> edition: published on 28 May 2009

Information:

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

- E 1601; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 [Chickens for fattening]

Corrections :

- Entry E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Turkeys for fattening] corrected.  
E 1701 changed to.4b1701

51<sup>th</sup> edition: published on 15 May 2009

Additions:

- 3c3.7.1.; L-valine with a purity of at least of 98 % (on dry matter) 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

Information:

- New functional group is added to category ‘technological additives’: ‘(m) substances for reduction of the contamination of feed by mycotoxins: substances that can suppress or reduce the absorption, promote the excretion of mycotoxins or modify their mode of action.’

See Reg. (EC) No 386/2009 of 12 May 2009 amending Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the establishment of a new functional group of feed additives, published in OJ L 118 of 13.05.2009, p. 66;

See <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:118:0066:0066:EN:PDF>

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

- E 772; Narasin 80 g/kg - Nicarbazin 80 g/kg (Maxiban G160) [Chickens for fattening]; Reg. (EC) No 2430/1999 of 16 November 1999 in OJ L 296, 17.11.1999, p. 3
- E 1601; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 [Laying hens]; Reg. (EC) No 255/2005 in OJ L 45, 16.02.2005, p. 3

50<sup>th</sup> edition: published on 09 May 2009

Additions:

- 4b1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 (holder of the authorisation Rubinum S.A.) [Rabbits breeding does]; Reg.(EC) No 378/2009 of 8 May 2009 in OJ L 116, 09.05.2009, p. 3
- 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

Information:

- Details added for 4a1640; 6-Phytase / EC 3.1.3.26; Reg (EC) No 785/2007 of 4/07/07 in OJ L 175, 05.07.2007, p. 4

49<sup>th</sup> edition: published on 07 May 2009

Information:

- Information about animal species added for some additives.

48<sup>th</sup> edition: published on 23 April 2009

Information:

- Information about animal species added for some additives.

47<sup>th</sup> edition: published on 21 April 2009

Additions:

- E 1606; Preparation of endo-1,4-beta-xylanase produced by *Bacillus subtilis* (LMG-S15136) [Laying hens]; Reg. (EC) No 322/2009 of 20.04.2009 in OJ L 101, 21.04.2009, p. 9
- E 1617; Endo-1,4-beta-xylanase produced by *Trichoderma longibrachiatum* (IMI SD 135) / EC 3.2.1.8 [Laying hens; Piglets (weaned)]; Reg. (EC) No 322/2009 of 20 April 2009 in OJ L 101, 21.04.2009, p. 9
- E 1604; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 [Ducks for fattening; Piglets (weaned)]; Reg. (EC) No 322/2009 of 20.04.2009 in OJ L 101, 21.04.2009, p. 9

Information:

- Information about animal species added for microorganisms and enzymes.

46<sup>th</sup> edition: published on 17 April 2009

Information:

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

- Micro-organisms 25; *Lactobacillus acidophilus* DSM 13241; Reg. (EC) No 600/2005 in OJ L 99, 19.4.2005, p. 5

Removals:

*NOTA : The entry grayed in edition 45 is now removed.*

45<sup>th</sup> edition: published on 14 April 2009

Corrigendum:

- Corrigendum to Reg (EC) No 271/2009 of 2 April 2009 published in OJ L 94 p. 112.

Removal:

*NOTA : The entry is grayed and will be removed in the next edition of the Register.*

- Enzyme 50(i) 6-Phytase / EC 3.1.3.26; Reg. (EC) No 521/2005 in OJ L 84, 2.4.2005, p. 3; Authorisation expired on 05.04.2009

44<sup>th</sup> edition: published on 3 April 2009

Additions:

- Digestibility enhancers 4a6; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. Z o.o.) [Chickens for fattening]; Reg (EC) No 270/2009 of 2 April 2009 in OJ L 091, 03.04.2009, p. 3
- 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) [Piglets (weaned); Chickens for fattening; Laying hens; Turkeys for fattening; Ducks for fattening]; Reg (EC) No 271/2009 of 2 April 2009 in OJ L 091, 03.04.2009, p. 5

Information:

- Due to the phasing out of the old <http://europa.eu.int> domain, the links to the OJ are now changed to the corresponding [europa.eu](http://europa.eu) URL.

Correction:

- Minor typing mistake corrected.
- Minor typing mistake corrected for *Passiflora edulis* Sims. = *P. incarnata* L.: Passionfruit spraydried CoE 321 / Passionfruit concentrate CoE 321 / Passionfruit distillate CoE 321 / Passionfruit essence oil CoE 321 / Passionfruit extract CoE 321 / Passionfruit tincture CoE 321

43<sup>rd</sup> edition: published on 30 March, 2009

Information:

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

- Enzymes 28; 3-Phytase / EC 3.1.3.8 [Turkeys for fattening; Sows]; Reg. (EC) No 358/2005 in OJ L 57, 3.3.2005, p. 3

42<sup>nd</sup> edition: published on 25 march 2009

Information:

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

- Micro-organisms 22; *Enterococcus faecium* DSM 7134 [Chicken for fattening]; Reg. (EC) No 521/2005 in OJ L 84, 2.4.2005, p. 3

41<sup>st</sup> edition: published on 20 March 2009

Additions:

- 4 b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Dairy buffaloes]; Reg. (EC) No 232/2009 of 19 March 2009 in OJ L 74, 20.03.2009, p. 14

Amendments:

- 5; Coccidiostats and other medicinal substances; E 758; Robenidine hydrochloride 66 g/kg (Cycostat 66 G) ; Reg. (EC) No 1800/2004 is amended by Reg. (EC) No 214/2009 of 18 March 2009 in OJ L 73 of 19.03.2009, p. 12
- Micro-organisms; E 1700; *Bacillus licheniformis* (DSM 5749), *Bacillus subtilis* (DSM 5750) (In a 1/1 ratio); Reg. (EC) No 600/2005 is amended by Reg. (EC) No 202/2009 of 16 March 2009 in OJ L 71, 17.03.2009, p. 8
- 4 b; Gut flora stabilisers; 4b1821; *Bacillus subtilis* DSM 17299 (O35); Reg. (EC) No 1137/2007 of 1 October 2007 is amended by Reg (EC) No 203/2009 of 16 March 2009 in OJ L 71 of 17.03.2009, p. 11

Correction:

- Various minor typing mistakes.

Removals:

*NOTA : The entries grayed in edition 40 are now removed.*

40<sup>th</sup> edition: published on 9 March 2009

Removals:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- Enzyme 28; 3-Phytase / EC 3.1.3.8; Reg. (EC) No 358/2005 in OJ L 57, 3.3.2005, p. 3; authorisation expired 06.03.2009
- Enzyme 51; Endo-1,4-beta-xylanase / EC 3.2.1.8; Reg. (EC) No 358/2005 in OJ L 57, 3.3.2005, p. 3; authorisation expired 06.03.2009
- Micro-organism 10; *Enterococcus faecium* NCIMB 10415; Reg. (EC) No 358/2005 in OJ L 57, 3.3.2005, p. 3; authorisation expired 06.03.2009

39<sup>th</sup> edition: published on 4 February 2009

Additions:

- E 1705; *Enterococcus faecium* NCIMB 10415 [Cats, dogs]; Reg. (EC) No 102/2009 of 3 February 2009 in OJ L 34, 04.02.2009, p.8

Amendment:

- E 758; Robenidine hydrochloride 66 g/kg (Cycostat 66 G); Reg. (EC) No 1800/2004 is Amended by Reg. (EC) No 101/2009 of 3 February 2009 in OJ L 34 of 04.02.2009, p. 5

Removals:

*NOTA : The entries grayed in edition 38 are now removed.*

38<sup>th</sup> edition: published on 22 December 2008

Additions:

- 4d2; Preparation of *Lactobacillus rhamnosus* (CNCM-I-3698) and *Lactobacillus farciminis* (CNCM-I-3699) (Sorbiflore), Reg. (EC) No 1290/2008 of 18 December 2008 in OJ L 340, 19.12.2008, p. 20
- 4b1822; *Bacillus amyloliquefaciens* CECT 5940 (Ecobiol and Ecobiol plus); Reg. (EC) No 1292/2008 of 18 December 2008 in OJ L 340, 22.12.2008, p. 36

- 4b1711; *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) [Lambs]; Reg. (EC) No 1293/2008 of 18 December 2008 in OJ L 340, 19.12.2008, p. 38

Removals:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- Enzymes 30; Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8; authorisation expired 20.12.2008
- Micro-organisms 24; *Kluyveromyces marxianus* var. *lactis* K1 BCCM/MUCL 39434; authorisation expired 20.12.2008

Corrections :

- Entry 4b1711; *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) [Dairy goats, dairy sheep] corrected.

37<sup>th</sup> edition: published on 16 December 2008

Additions:

- 3b410; Copper chelate of hydroxy analogue of methionine; Reg. (EC) No 1253/2008 of 15 December 2008 in OJ L 337, 16.12.2008, p. 78

Corrections :

- Some typing mistakes corrected.

36<sup>th</sup> edition: published on 12 November 2008

Amendments:

- Reg. (EC) No 1095/2008 of 6 November 2008 amending Regulation (EC) No 109/2007 as regards the terms of the authorisation of the feed additive Monensin sodium (Coxidin) OJ L 298 of 07.11.08, p 3
- Reg. (EC) No 1096/2008 of 6 November 2008 amending Regulation (EC) No 1356/2004 as regards the terms of the authorisation of the feed additive 'Elancoban', belonging to the group of coccidiostats and other medicinal substances OJ L 298 of 07.11.08, p 5

35<sup>th</sup> edition: published on 21 October 2008

Information:

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

- E 770; Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) [Chicken for fattening]
- E 758; Robenidine hydrochloride 66 g/kg (Cycostat 66 G) [Rabbits for breeding purposes]
- E 763; Lasalocid A sodium 15 g/100g (Avatec 15 % cc) [Turkeys]
- E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) [Chickens for fattening]

34<sup>th</sup> edition: published on 9 October 2008

Additions:

- E 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) [Rabbits]; Reg. (EC) No 971/2008 of 3 October 2008 in OJ L 265, 4.10.2008, p. 3

Amendment:

- Reg. (EC) No 976/2008 of 6 October 2008 amending Regulations (EC) No 2430/1999, (EC) No 418/2001 and (EC) No 162/2003 as regards the terms of the authorisation of the feed additive 'Clinacox', belonging to the group of coccidiostats and other medicinal substances (OJ L 266 of 7.10.2008 p.3)

Corrigendum:

- E 771; Corrigendum to EN version of Reg. (EC) No 971/2008 of 3 October 2008 published in OJ L 267 EN version, 8.10.2008, p. 32

33<sup>rd</sup> edition: published on 5 August, 2008

Additions:

- E 161g; Canthaxanthin; Reg. (EC) No 775/2008 of 4 August 2008 establishing maximum residue limits for the feed additive canthaxanthin in addition to the conditions provided for in Directive 2003/7/EC. Published in OJ L 207, 05.08.2008 p. 5

Removals:

*NOTA : The entries grayed in edition 32 are now removed.*

32<sup>nd</sup> edition: published on 5 August, 2008

Additions:

- 2a(ii)167; Red carotenoidrich *Paracoccus carotinifaciens*; Reg. (EC) No 721/2008 of 25 July 2008; [Salmon and trout] in OJ L 193, 26.07.2008, p. 23

Removals:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- Micro-organisms 13 ; *Enterococcus faecium* DSM 10663/NCIMB 10415; authorisation expired 17.07.2008

31<sup>st</sup> edition: published on 8 July, 2008

Corrigendum:

- 4a5; Corrigendum to Reg. (EC) No 554/2008 of 17 June 2008 in OJ L 173 of 03.07.2008, p. 31

Information:

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

- E 1602; Endo-1,4-beta-glucanase / EC 3.2.1.4 / Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8; Reg. (EC) No 1206/2005, Reg. (EC) No 1259/2004 and Reg. (EC) No 1876/2006
- E 1607; Endo-1,4-beta-xylanase / EC 3.2.1.8; Reg. (EC) No 1332/2004
- E 1614 (i); 6-Phytase / EC 3.1.3.26; Reg. (EC) No 255/2005
- E 1705; *Enterococcus faecium* NCIMB 10415; Reg. (EC) No 943/2005
- E 6; Zinc - Zn, Zinc chelate of amino acids hydrate
- E 670 a; Vitamin D / 25-hydroxycholecalciferol

In the column "Expiry date of authorisation(s)", the phrase "Without a time limit" is replaced by "Subject to the provisions of Art. 10 § 2 of Reg. 1831/2003" for additives :

- E 1616; Endo-1,4-beta-glucanase / EC 3.2.1.4 / endo-1,4-beta-glucanase produced by *Trichoderma longibrachiatum* (IMI SD 142) [Piglets weaned]; Reg. (EC) No 1520/2007
- E 1617; Endo-1,4-beta-xylanase produced by *Trichoderma longibrachiatum* (IMI SD 135) / EC 3.2.1.8; Reg. (EC) No 828/2007
- E 1632; 3-Phytase / EC 3.1.3.8; Reg. (EC) No 252/2006
- E 1641; Endo-1,4-beta-xylanase produced by *Trichoderma longibrachiatum* (MUCL 39203) / EC 3.2.1.8; Reg. (EC) No 828/2007
- E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012; Reg. (EC) No 256/2002 / Amended by Reg. (EC) No 1143/2007

- E 1707; Enterococcus faecium DSM 10663/NCIMB 10415 (Dogs); Reg. (EC) No 1520/2007
- E 1707; Enterococcus faecium DSM 10663/NCIMB 10415 [Turkeys for fattening]; Reg. (EC) No 1520/2007
- E 1710; *Saccharomyces cerevisiae* MUCL 39885; Reg. (EC) No 1520/2007
- E 1715; Lactobacillus acidophilus D2/CSL CECT 4529; Reg. (EC) No 1520/2007
- E 210; Benzoic acid; Reg (EC) No 757/2007
- E 700; Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg; Reg. (EC) No 1876/2006
- E 700; Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg; Reg. (EC) No 757/2007

30<sup>th</sup> edition: published on 23 June, 2008

Additions:

- 4 a; Digestibility enhancers; 4a5; 6-phytase produced by *Pichia pastoris* (DSM 15927) (Quantum Phytase 2500 D; Quantum Phytase 5000 L); Reg (EC) No 554/2008 of 17 June 2008 in OJ L 158, 18.06.2008, p. 14

Amendments:

- Reg. (EC) No 552/2008 of 17 June 2008 amending
  - Regulations (EC) No 2430/1999
  - 'Roche Vitamins Europe Ltd' replaced by 'Alpharma (Belgium) BVBA' concerning additives
  - E 758; Robenidine hydrochloride 66 g/kg (Cycostat 66 G) [Rabbits for breeding purposes]
  - E 770; Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) [Chicken for fattening]
  - Regulation (EC) No 2380/2001
  - 'Alpharma AS' replaced by 'Alpharma (Belgium) BVBA' concerning additive
  - E 770; Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) [Turkeys]
  - Regulation (EC) No 1289/2004
  - 'Alpharma AS' replaced by 'Alpharma (Belgium) BVBA' concerning additive
  - E 756; Decoquinat - 60,6 g/kg (Deccox)

29<sup>th</sup> edition: published on 11 June, 2008

Amendments:

- Reg. (EC) No 516/2008 of 10 June 2008 amending several Regulations (EC). The words 'BASF Aktiengesellschaft' are replaced by the words 'BASF SE' in the annexes of the following regulations.
  - No 1142/2007; Additive 4a1600,
  - No 1200/2005; Potassium diformate (Formi LHS),
  - No 1380/2007 additive 4a62,
  - No 165/2008. Additive 4a1600
  - No 184/2007; Additive 4d800,
  - No 243/2007; Additive 4a1600,

Removals:

*NOTA : The entries grayed in edition 28 are now removed.*



28<sup>th</sup> edition: published on 10 June, 2008

Additions:

- 4 a; Digestibility enhancers; 4a1600; 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos 5 000 / Natuphos 5 000 G / Natuphos 5 000 L / Natuphos 10 000 G / Natuphos 10 000 L) [Sows]; Reg. (EC) No 505/2008 of 6 June 2008 published in OJ L 149 of 07.06.2008, p. 33

Corrigendum :

- Corrigendum CS in OJ L 143 of 3 June 2008 for E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 ; (Reg. (EC) No 1288/2004 [Sows])
- Corrigendum CS in OJ L 143 of 3 June 2008 for E 756; Decoquinat - 60,6 g/kg (Deccox ); (Reg. (EC) No 1289/2004)
- Corrigendum CS in OJ L 143 of 3 June 2008 for E 1636; Endo-1,3(4)-beta-glucanase EC 3.2.1.6(Reg. (EC) No 2036/2005)

Removals:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- Micro-organisms 14 ; *Saccharomyces cerevisiae* MUCL 39 885; authorisation expired 03.05.2008

*NOTA : The entries grayed in edition 27 are now removed.*

27<sup>th</sup> edition: published on 5 May, 2008

Additions:

- 2a(ii) 165; Astaxanthin dimethyldisuccinate [Salmon and trout]; Reg. (EC) No 393/2008 of 30 April 2008) in OJ L 117, 01.05.2008, p. 20

Removals:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- Micro-organisms 5 ; *Saccharomyces cerevisiae* CBS 493.94 ; authorisation expired on 20.03.2008
- Enzyme 37 ; Endo-1,4-beta-xylanase / EC 3.2.1.8 / Subtilisin / EC 3.4.21.62 ; authorisation expired on 18.02.2008

26<sup>th</sup> edition: published on 7 April, 2008

Corrigendum :

- 4d1; Lanthanum carbonate octahydrate (Lantharenol); Corrigendum in OJ L 92 of 03.04.08, p. 40

25<sup>th</sup> edition: published on 7 March, 2008

Additions:

- 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Pigs for fattening]; Reg. (EC) No 209/2008 of 6 March 2008 in OJ L 63, 07.03.2008, p. 3

24<sup>th</sup> edition: published on 25 February, 2008

Amendment:

- Reg. (EC) No 156/2008 of 21 February 2008 amending Regulation (EC) No 109/2007 as regards the minimum content of the feed additive Monensin sodium (Coxidin) OJ L 48 of 22.02.08, p 14
- Reg. (EC) No 164/2008 of 22 February 2008 amending Regulation (EC) No 1444/2006 as regards the minimum content of the feed additive *Bacillus subtilis* C-3102 (Calsporin) OJ L 50 of 23.02.08, p 6

Additions:

- 4d1; Lanthanum carbonate octahydrate (Lantharenol); Reg (EC) No 163/2008 of 22.02.08 in OJ L 50, 23.02.2008, p. 3
- 4a1600; 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos 5 000 / Natuphos 5 000 G / Natuphos 5 000 L / Natuphos 10 000 G / Natuphos 10 000 L) [Ducks]; Reg. (EC) No 165/2008 of 22.02.08 in OJ L 50, 23.02.2008, p. 8
- E 1701; *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 [Turkeys for fattening]; Reg. (EC) No 166/2008 of 22.02.08 in OJ L 50, 23.02.2008, p. 11
- E 766; Salinomycin sodium 120 g/kg / (Kokcisan 120G); Reg (EC) No 167/2008 of 22.02.08 in OJ L 50, 23.02.08, p. 14

23<sup>rd</sup> edition: published on 21 February, 2008

Removals:

*NOTA : The entries grayed in edition 22 are now removed.*

22<sup>th</sup> edition: published on 20 December, 2007

Additions:

- 4a1613; Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (CNCM MA 6-10W) [Ducks]; Reg. (EC) No 1501/2007 in OJ L 333, 18.12.2007, p. 57
- 4a1614(i) 6-phytase EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 14223) (Ronozyme); Reg. (EC) No 1500/2007 of 18 December 2007 in OJ L 333, 19.12.2007, p. 54
- 4b1841 *Enterococcus faecium* DSM 7134 (Bonvital) [Sows]; Reg. (EC) No 1521/2007 of 19 december 2007 in OJ L 335, 20.12.2007, p. 24
- E 1616 Endo-1,4-beta-glucanase / EC 3.2.1.4 produced by *Trichoderma longibrachiatum* (IMI SD 142) [Piglets weaned]; Reg. (EC) No 1520/2007 of 19 December 2007 in OJ L 335, 20.12.2007, p. 17
- E 1707 *Enterococcus faecium* DSM 10663/NCIMB 10415 (Dogs); Reg. (EC) No 1520/2007 of 19 December 2007 in OJ L 335, 20.12.2007, p. 17
- E 1707 *Enterococcus faecium* DSM 10663/NCIMB 10415 [Turkeys for fattening]; Reg. (EC) No 1520/2007 of 19 December 2007 in OJ L 335, 20.12.2007, p. 17
- E 1710 *Saccharomyces cerevisiae* MUCL 39885 [Dairy cows]; Reg. (EC) No 1520/2007 of 19 December 2007 in OJ L 335, 20.12.2007, p. 17
- E 1715 *Lactobacillus acidophilus* D2/CSL CECT 4529 [Laying hens]; Reg. (EC) No 1520/2007 of 19 December 2007 in OJ L 335, 20.12.2007, p. 17

Amendment:

- E 771; Reg. (EC) No 1519/2007 of 19 December 2007 in OJ L 333, 19.12.2007, p. 15; amending Regulations (EC) No 2430/1999, (EC) No 418/2001 and (EC) No 162/2003 the words ‘Janssen Animal Health BVBA’ are replaced by the words ‘Janssen Pharmaceutica NV’

Removals:

*NOTA : The entries are grayed and will be removed in the next edition of the Register.*

- Enzymes 14 ; Endo-1,4-beta-xylanase / EC 3.2.1.8 ; authorisation expired on 24.10.2007
- Micro-organisms 13 ; *Enterococcus faecium* DSM 10663/NCIMB 10415 ; authorisation expired on 18.10.2007
- Micro-organisms 22 ; *Enterococcus faecium* DSM 7134 ; authorisation expired on 14.12.2007
- Micro-organisms 22 ; *Enterococcus faecium* DSM 7134 ; authorisation expired on 15.04.2007
- Micro-organisms 23 ; *Lactobacillus acidophilus* D2/CSL CECT 4529 ; authorisation expired on 14.12.2007

21<sup>th</sup> edition: published on 28 November, 2007

Additions:

- 4d62 Endo-1,4-betaxylanase produced by *Aspergillus niger* (CBS 109.713) [Turkeys for fattening]; Reg. (EC) No 1380/2007 of 26 November 2007 in OJ L 309, 27.11.2007, p. 21

Corrigendum:

- Reg. (EC) No 1380/2007 of 26 November 2007 : Code "4d62" changed to "4a62" in OJ L 310, 28.11.2007, p. 22

20<sup>th</sup> edition: published on 8 November, 2007

Additions:

Category: 2 (sensory additives)

Functional group: b (flavouring products)

Subclassification: natural products – botanically defined

- *Schinopsis Balansae*: quebracho colorado condensed tannins extract CAS 1401-55-04

Removals:

(For more information, see "15. Exchange of views on the situation of certain flavourings in the Community Register of Feed Additives" in the Summary minutes of the meeting of the Standing Committee on the Food Chain and Animal Health, animal nutrition section of 7 & 8 June 2007 [http://ec.europa.eu/food/committees/regulatory/scfcah/animalnutrition/summary07062007\\_en.pdf](http://ec.europa.eu/food/committees/regulatory/scfcah/animalnutrition/summary07062007_en.pdf))  
*NOTA* : The entries are grayed and will be removed in the next edition of the Register.

Category: 2 (sensory additives); Functional group: b (flavouring products); Subclas.: natural products – botanically defined

- *Aristolochia cymbifera* L.: Jarrinha absolute / Jarrinha extract / Jarrinha oil / Jarrinha tincture
- *Aristolochia serpentaria* L. : Serpentry root powder CoE 58 / Serpentry oil COE 58 / Serpentry extract CoE 58
- *Prunus amygdalus* Batsch: Bitter almond absolute CoE 367 / Bitter almond oil CoE 367 / Bitter almond tincture CoE 367
- *Prunus armeniaca* L.: Apricot concentrate CoE 368 / Apricot distillate CoE 368 / Apricot extract CoE 368 / Apricot kernel oil CAS 72869-69-3 FEMA 2105 CoE 368 / Apricot essence oil CoE 368

Category: 2 (sensory additives); Functional group: b (flavouring products); Subclass.: natural or corresponding synthetic chemically defined flavourings.

- CAS No. 83-67-0 / Theobromine / Flavis No. 16.032
- CAS No. 94-3-3 / Propyl 4-hydroxybenzoate / Flavis No. 09.915
- CAS No. 404-86-4 / N-(4-Hydroxy-3-methoxybenzyl)-8-methylnon-6-enamide / Flavis No. 16.014

Corrections:

Typing mistakes corrected for :

- 4b1820 *Bacillus subtilis* C-3102 (DSM 15544) (Calsporin)
- *Citrus limonimedica* Lush. c. bushukan : Sarcodactylis distillate / Citron tree / Sarcodactylis oil CAS 91770-66-0 FEMA 3899. The CAS number is replaced by CAS 85085-28-5

19<sup>th</sup> edition: published on 4 October, 2007

Additions:

- 3c3.6.1. L-arginine 98 % produced by *Corynebacterium glutamicum* (ATCC 13870) Reg. (EC) No 1139/2007 of 1 October 2007 in OJ L 256, 02.10.2007, p. 11
- 4a1 3-phytase EC 3.1.3.8 (ROVABIO PHY AP and ROVABIO PHY LC) Reg (EC) No 1141/2007 of 1 October 2007 in OJ L 256, 02.10.07, p.17
- 4a1600 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos 5 000 / Natuphos 5 000 G / Natuphos 5 000 L / Natuphos 10 000 G / Natuphos 10 000 L) Reg. (EC) No 1142/2007 of 1 October 2007 in OJ L 256, 02.10.2007, p. 20
- 4b1821 *Bacillus subtilis* DSM 17299 (O35) Reg. (EC) No 1137/2007 of 1 October 2007 in OJ L 265, 02.10.2007, p. 5
- 4d210 Benzoic acid (VevoVitall) Reg. (EC) No 1138/2007 of 1 October 2007 in OJ L 256, 02.10.2007, p. 8
- E 1701 *Bacillus cereus* var. *toyoi* NCIMB 40112/CNCM I -1012 Reg (EC) No 256/2002 of 12 February 2002 in OJ L 41, 13.2.2002, p. 6 is amended by Reg. (EC) No 1143/2007 of 1 October 2007 in OJ L 256, 02.10.2007, p. 23
- Enzyme 53 (Preparation of Endo-1,3(4)-betaglucanase / EC 3.2.1.6 / Endo-1,4-betaglucanase EC 3.2.1.4 / Alpha-amylase / EC 3.2.1.1 / Bacillolysin / EC 3.4.24.28 / Endo-1,4-betaxylanase / EC 3.2.1.8) Reg. (EC) No 1140/2007 of 1 October 2007 in OJ L 256, 02.10.2007, p. 14

Corrigendum:

- Corrigendum CS in OJ L235 page 8 for Regulation 828/2007 (initially published in OJ L 184, 16.07.2007, p. 12)

Corrections:

Minor typing mistakes corrected for:

- Digestibility enhancer 4a1606
- Digestibility enhancer 4a1613
- Gut flora stabilisers 4b1850
- Enzyme 53 (Reg. (EC) No 252/2006)
- No category and functional group for growth promoter E 800 + expiry date is 25.11.2015, not 21.03.2007.
- No category and functional group for growth promoters 1

18<sup>th</sup> edition: published on 16 July, 2007

Additions:

- E 1617; Endo-1,4-beta-xylanase produced by *Trichoderma longibrachiatum* (IMI SD 135) / EC 3.2.1.8 ; Reg (EC) No 828/2007 of 13 July 2007 in OJ L 184, 16.07.2007, p. 12
- E 161y; Astaxanthin-rich *Phaffia rhodozyma* (ATCC SD-5340); Reg. (EC) No 828/2007 of 13 July 2007 in OJ L 184, 16.7.2007, p.12
- E 1641; Endo-1,4-beta-xylanase produced by *Trichoderma longibrachiatum* (MUCL 39203) / EC 3.2.1.8; Reg (EC) No 828/2007 of 13 July 2007 in OJ L 184, 16.07.2007, p. 12

17<sup>th</sup> edition: published on 9 July, 2007

Additions:

- E 700; Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg; Reg (EC) No 757/2007 of 29 June 2007 in OJ L 172, 30.06.2007, p. 43
- 4a3; Endo-1,4-beta-mannanase EC 3.2.1.78 (Hemicell); Reg (EC) No 786/2007 of 4 July 2007 in OJ L 175, 05.07.07, p. 8
- E 210; Benzoic acid; Reg (EC) No 757/2007 of 29 June 2007 in OJ L 172, 30.06.2007, p. 43
- 4a1640; 6-Phytase / EC 3.1.3.26 (Phyzyme XP 5000G Phyzyme XP 5000L); Reg (EC) No 785/2007 of 4 July 2007 in OJ L 175, 05.07.07, p. 4

Removals: *NOTA* : *The entries are grayed and will be removed in the next edition of the Register.*

- E 210; Benzoic acid. Former authorisation expired on 25.05.2007.

16<sup>th</sup> edition: published on 8 June, 2007

Additions:

- 3b8.11; Organic form of Selenium produced by *Saccharomyces cerevisiae* NCYC R397 (Selenised yeast inactivated); Reg. (EC) No 634/2007 of 7 June 2007 in OJ L 146, 08.06.2007, p. 14

Corrigendum:

- Reference to "OJ L 270, 14.12.1970, p. 1" in column "Reference in OJ" removed. The consolidated document can be found on <http://eur-lex.europa.eu/LexUriServ/site/en/consleg/1970/L/01970L0524-20030331-en.pdf>  
Note : About Dir. 70/524, please see "Article 23, Repeals", in Regulation (EC) No 1831/2003  
[http://eur-lex.europa.eu/LexUriServ/site/en/oj/2003/l\\_268/l\\_26820031018en00290043.pdf](http://eur-lex.europa.eu/LexUriServ/site/en/oj/2003/l_268/l_26820031018en00290043.pdf)

Corrections:

- Some typing mistakes, formatting.

15<sup>th</sup> edition: published on 22 May, 2007

Corrigendum:

- Corrigendum of EN version of Reg. (EC) No 243/2007; published in OJ L 130 p. 48

14<sup>th</sup> edition: published on 16 May, 2007

Additions:

- 4a2 Fermentation product of *Aspergillus oryzae* NRRL 458; Reg (EC) No 537/2007 of 15 May 2007 in OJ L128. 16.05.2007. p. 13
- Gut flora stabilisers; 4b1841 *Enterococcus faecium* DSM 7134 (Bonvital); Reg. (EC) No 538/2007 in OJ L 128, 16.05.2007, p. 16

Corrigendum:

- E 800 Potassium diformate; Corrigendum of ES version of Reg. (EC) No 184/2007, OJ L 63, 1.3.07 p. 10 / published in OJ L 128, 24.03.2007, p. 46

Note:

- List of modifications. New sort order for ease of reading.

13<sup>th</sup> edition: published on 11 May, 2007

Additions:

- Reg. (EC) No 497/2007 OJ L 117, 07.05.07, p. 11. Endo-1,4-beta-xylanase / EC 3.2.1.8 produced by *Trichoderma longibrachiatum* (CNCM MA 6-10W)
- Reg. (EC) No 600/2005 Amended by Reg. (EC) No 496/2007 in OJ L 117. 07.05.07, p.9. MRL for 'Salinomax 120G'
- Reg. (EC) No 1463/2004 Amended by Reg. (EC) No 500/2007 in OJ L 118. 08.05.07, p.3. MRL for 'Sacox 120 microGranulate'
- Reg. (EC) No 516/2007 OJ L 122, 11.05.07, p. 22 E 1606 Endo-1,4-beta xylanase EC 3.2.1.8 produced by *Bacillus subtilis* (LMG S-15136)

Correction:

- Some typing mistakes and formatting corrected.
- Entry: CAS No. 139564-43-5 / Ethyl 3-acetoxy-2-methylbutyrate / Flavis No. 09.919 . "...butyrate" corrected to "...butyrate"
- Entry 4a1606 Endo-1,4-beta xylanase EC 3.2.1.8 produced by *Bacillus subtilis* (LMG S-15136) (Belfeed B1100MP and Belfeed B1100ML) [Ducks]. Typing mistake corrected.

Removals: NOTA : *The entries are grayed and will be removed in the next edition of the Register.*

- Enzyme 11; Endo-1,4-beta-glucanase / EC 3.2.1.4 / Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 / Endo-1,4-beta-xylanase / EC 3.2.1.8 Authorisation expired 01.01.2007.
- Enzyme 24; Endo-1,4-beta-xylanase / EC 3.2.1.8 / Endo-1,3(4)-beta-glucanase / EC 3.2.1.6 Authorisation expired 28.02.2007.
- Enzyme 51; Endo-1,4-beta-xylanase / EC 3.2.1.8 Authorisation expired 01.01.2007.

12<sup>th</sup> edition: published on 26 March, 2007

Corrigenda:

- 4b1711 *Saccharomyces cerevisiae* CNCM I-1077 Reg. (EC) No 226/2007 / Corrigendum DE OJ L 84, 24.03.2007, p. 46
- E 757 Monensin sodium Reg. (EC) No 108/2007 / Corrigendum DE OJ L 84, 24.03.2007, p. 46
- E 800 Potassium diformate Reg. (EC) No 1810/2005 / Corrigendum DE OJ L 84, 24.03.2007, p. 46

11<sup>th</sup> edition: published on 13 March, 2007

Additions:

- Reg. (EC) No 242/2007 of 6 March 2007; endo-1,4-beta xylanase EC 3.2.1.8 produced by *Bacillus subtilis* (LMG S-15136) (Belfeed B1100MP and Belfeed B1100ML) in OJ L 73 of 13.3.07 p.1
- Reg. (EC) No 243/2007 of 6 March 2007; 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos) in OJ L 73 of 13.3.2007 p.4
- Reg. (EC) No 244/2007 of 7 March 2007 L-histidine monohydrochloride monohydrate 98% produced by *Escherichia coli* (ATCC 9637) OJ L 73 of 13.3.2007 p.6

Correction:

- *Some typing mistake and formatting corrected.*

10<sup>th</sup> edition: published on 1 March, 2007

Additions:

- Reg. (EC) No 188/2007 of 23 February 2007; 4b1702, *Saccharomyces cerevisiae* NCYC Sc 47 [Dairy goats and dairy sheep]; in O.J. L 57 of 24.02.2007, p. 3

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Reg (EC) No 1831/2003; European Union Register of Feed Additives.

Appendix 3e List of modifications to the Register, versions 1 – 199 – 07.11.2014

Register: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/registeradditives_en.htm)

European Union legislation on feed additives: [http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl\\_en.htm](http://ec.europa.eu/food/food/animalnutrition/feedadditives/legisl_en.htm)

- Reg. (EC) No 186/2007 of 21 February 2007; 4b1702, *Saccharomyces cerevisiae* NCYC Sc 47 [Horses]; published in O.J. L 63 of 01.03.2007, p. 7
- Reg. (EC) No 184/2007 of 20 February 2007; Additive 4d800, Potassium diformate (Formi LHS); published in OJ L 63, 01.03.2007 p. 10
- Reg. (EC) No 226/2007 of 1.03.2007, 4b1711, *Saccharomyces cerevisiae* CNCM I-1077 published in OJ L64, 02.03.2007, p. 26

Amendment:

- Reg. (EC) No 1810/2005 E 800 Potassium diformate (Formi LHS) Amended by Reg. (EC) No 184/2007, OJ L 63, 1.3.07 p. 10

Correction:

- Reg. (EC) 1876/2006. Corrigendum for additive "12 *Lactobacillus farciminis* CCM MA 67/4R" published in O.J. L 43 of 15.02.2007 p.42

9<sup>th</sup> edition: published on February 9, 2007

Additions:

- Reg. (EC) No 108/2007 of 5 February 2007 OJ L 31/4 amending Regulation (EC) No 1356/2004. (E 757 Monensin sodium (Elancoban G100 - Elancoban 100 - Elancogran 100 - Elancoban G200 - Elancoban 200))
- Reg. (EC) No 109/2007 of 5 February 2007 OJ L 31/6 (Monensin sodium (Coxidin) and Corrigendum published in OJ L 37/10 of 09.02.2007(E 1701 becomes 5 1 701)

8<sup>th</sup> edition: published on January 9, 2007

Additions:

- Reg. (EC) No 2028/2006 of 18 December 2006 L 414/26 amending Regulation (EC) No 600/2005.

Correction:

- Reg. (EC) 1876/2006. Category and functional group corrected

7<sup>th</sup> edition: published on December 20, 2006

Additions:

- Reg. (EC) No 1876/2006 of 18 December 2006 L 360/126

6<sup>th</sup> edition: published on November 28, 2006

Additions:

- Reg. (EC) No 1730/2006 of 23 November 2006 L 325/9
- Reg. (EC) No 1743/2006 of 24 November 2006 L 329/16
- Reg. (EC) No 1750/2006 of 27 November 2006 L 330/9
- Explanatory notes, appendixes 1 and 2 are now available in 20 languages. There is a separate document for each language.

Corrections:

- *Illicium verum* Hook. Entry corrected

5<sup>th</sup> edition: published on September 11 2006

Additions:

- Reg. (EC) No 1284/2006 of 29 August 2006 L 235/3
- Annex 1 of Regulation 1831/2003 in all 20 languages.
- Reg. (EC) No 1443/2006 of 29 Septembre 2006 L 271/12

- Reg. (EC) No 1444/2006 of 29 September 2006 L 271/19
- Amendment. Reg. (EC) No 1445/2006 of 29 September 2006 L 271/22 amending Reg (EC) No 1200/2005
- Reg. (EC) No 1446/2006 of 29 September 2006 L 271/25
- Reg. (EC) No 1447/2006 of 29 September 2006 L 271/28

Removal:

- Coccidiostats and other medicinal substances No 29 Semduramicin sodium (Aviax 5 %), authorisation expired.
- Preservatives No 1 Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg, authorisation expired
- Enzymes No 24 Endo-1,4-beta-xylanase / EC 3.2.1.8 / Endo-1,3(4)-beta-glucanase / EC 3.2.1.6; authorisation expired

Corrections:

- *Some typing mistakes*

4<sup>th</sup> edition: published on 19 May 2006

Corrections:

- New cover page and minor layout changes
- Potassium diformate, code 237a, Reg. (EC) No 492/2006, category Preservatives instead of Growth promoter.
- Potassium diformate, codes 1 (Reg. (EC) No 1200/2005) and E 800 (Reg. (EC) No 1810/2005) remain in category Growth Promoters.

Additions:

- Reg. (EC) No 773/2006 of 22 May 2006.2006 L 135/3
- Reg. (EC) No 773/2006 CS Corrigendum 14 June 2006 L 160/19

3<sup>rd</sup> edition: published on 17 May 2006

Corrections:

- Sodium ferrocyanide and potassium ferrocyanide; clinoptilolite of sedim. Orig.; Enzyme E 1613 Expiry date of authorisation corrected. Reg. (EC) No 1810/2005
- Enzyme E 1613; enzyme E 1635; enzyme E 11; Micro-organism E 1702; MO E 1704. Expiry date of authorisation corrected. Reg. (EC) No 1811/2005
- E 764, E766 subject to changes. Reg. (EC) No 249/2006 of 13.02.2006 published in OJ L 42/22 of 14.02.06
- Modification for entry E 765 Reg. (EC) No 545/2006 1.4.2006 L 94/26
- Vitamin E and Vitamin K entries simplified.
- Correction of 6 CAS numbers of products already included.

Additions:

- Reg. (EC) No 479/2006 28.3.2006 L 86/4
- Reg. (EC) No 492/2006 28.3.2006 L 89/6
- Category "chemically defined flavourings" 194 new entries
- Category "natural products botanically defined" 31 new entries
- Category "natural products of non plant origin" 2 new entries

2<sup>nd</sup> edition: published on 16 December 2005

Additions:

- Reg. (EC) No 2036/2005. O.J. L 328 of 15.12.2005 p. 13.
- Category "micro-organisms": changes in entries E 1703, E 1712; new entry E 1713.



- Category "enzymes", new entries E 1636, E 1637, 5, 59; change in entry Enzyme 37.
- Reg. (EC) No 1980/2005 of 05.12.2005 OJ L 318 of 05.12.2005. p. 3 Category Trace elements: E 6 Zinc.
- Reg. (EC) No 2037/2005. O.J. L 328 of 14.12.2005, p21. Category " Coccidiostats and other medicinal substances ", changes in entry E 763 Lasalocid A sodium (Avatec).

Removal:

- Category Antibiotics. The period of authorisation ended 31.12.2005.

1<sup>st</sup> edition: published on 7 November 2005

### *More details?*

See the Health and Consumer Protection Directorate-General Website:

**[http://ec.europa.eu/comm/dgs/health\\_consumer/index\\_en.htm](http://ec.europa.eu/comm/dgs/health_consumer/index_en.htm)**

The Register: **[http://ec.europa.eu/comm/food/food/animalnutrition/feedadditives/registeradditives\\_en.htm](http://ec.europa.eu/comm/food/food/animalnutrition/feedadditives/registeradditives_en.htm)**

European Union legislation on feed additives:

**[http://ec.europa.eu/comm/food/food/animalnutrition/feedadditives/index\\_en.htm](http://ec.europa.eu/comm/food/food/animalnutrition/feedadditives/index_en.htm)**