

▼B**COMMISSION IMPLEMENTING REGULATION (EU) 2017/1145
of 8 June 2017**

on the withdrawal from the market of certain feed additives authorised pursuant to Council Directives 70/524/EEC and 82/471/EEC and repealing the obsolete provisions authorising those feed additives

(Text with EEA relevance)

*Article 1***Withdrawal**

1. The feed additives specified in Annex I shall be withdrawn from the market in respect of the animal species or categories of animals as specified in that Annex.

2. The feed additives specified in Annex II shall be withdrawn from the market in respect of the animal species or categories of animals as specified in that Annex.

*Article 2***Transitional measures**

1. Existing stocks of the additives listed in Annex I may continue to be placed on the market and used until 19 July 2018.

2. Premixtures produced with the additives referred to in paragraph 1 may continue to be placed on the market and used until 19 October 2018.

3. Compound feed and feed materials produced with the feed 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 July 2019.

▼M1*Article 3***Repeals**

Regulations (EC) No 937/2001, (EC) No 871/2003, (EC) No 277/2004, (EC) No 278/2004, (EC) No 1332/2004, (EC) No 1465/2004, (EC) No 833/2005, (EC) No 1459/2005, (EC) No 492/2006, (EC) No 1743/2006, (EC) No 757/2007, and (EC) No 828/2007 are repealed.

▼B*Article 4***Amendment to Regulation (EC) No 2316/98**

Annex II to Regulation (EC) No 2316/98, is amended as follows:

(1) in entry E 4 on Copper — Cu, the words ‘Cupric methionate’ and all content relating only to Cupric methionate are deleted;

▼B

- (2) in entry E 5 on Manganese — Mn, the words ‘Manganic oxide’ and all content relating only to Manganic oxide are deleted;
- (3) in entry E 5 on Manganese — Mn, the words ‘Manganous carbonate’ and all content relating only to Manganous carbonate are deleted;
- (4) in entry E 5 on Manganese — Mn, the words ‘Manganous hydrogen phosphate, trihydrate’ and all content relating only to Manganous hydrogen phosphate, trihydrate are deleted;
- (5) in entry E 5 on Manganese — Mn, the words ‘Manganous sulphate, tetrahydrate’ and all content relating only to Manganous sulphate, tetrahydrate are deleted;
- (6) in entry E 6 on Zinc — Zn, the words ‘Zinc carbonate’ and all content relating only to Zinc carbonate are deleted;
- (7) in entry E 6 on Zinc — Zn, the words ‘Zinc lactate, trihydrate’ and all content relating only to Zinc lactate, trihydrate are deleted;
- (8) in entry on E 6 Zinc — Zn, the words ‘Zinc chloride, monohydrate’ and all content relating only to Zinc chloride, monohydrate are deleted.

*Article 5***Amendment to Regulation (EC) No 1353/2000**

Regulation (EC) No 1353/2000 is amended as follows:

- (1) Article 1 is deleted;
- (2) Annex I is deleted.

*Article 6***Amendment to Regulation (EC) No 2188/2002**

In Annex I to Regulation (EC) No 2188/2002 in entry 11, on ‘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’ the words ‘laying hens’ and all content relating only to laying hens are deleted.

*Article 7***Amendment to Regulation (EC) No 261/2003**

Regulation (EC) No 261/2003 is amended as follows:

- (1) Article 1 is replaced by the following:

‘Article 1

The preparation specified in Annex I, belonging to the group “Enzymes” is authorised for use as additive in animal nutrition under the conditions laid down in that Annex.’;

- (2) Annex II is deleted.

▼B*Article 8***Amendment to Regulation (EC) No 1334/2003**

The Annex to Regulation (EC) No 1334/2003, is amended as follows:

▼M1

- (1) in entry E 1 Iron — Fe, the words ‘Ferrous chloride, tetrahydrate’ and all content relating only to Ferrous chloride, tetrahydrate are deleted;
- (2) in entry E 1 Iron — Fe, the words ‘Ferrous citrate, hexahydrate’ and all content relating only to Ferrous citrate, hexahydrate are deleted;
- (3) in entry E 1 Iron — Fe, the words ‘Ferrous lactate, trihydrate’ and all content relating only to Ferrous lactate, trihydrate are deleted;

▼B

- ▶ **M1** (4) ◀ in entry E 4 on Copper — Cu, the words ‘Cupric methionate’ and all content relating only to Cupric methionate are deleted;
- ▶ **M1** (5) ◀ in entry E 5 on Manganese — Mn, the words ‘Manganic oxide’ and all content relating only to Manganic oxide are deleted;
- ▶ **M1** (6) ◀ in entry E 5 on Manganese — Mn, the words ‘Manganomanganic oxide’ and all content relating only to Manganomanganic oxide are deleted;
- ▶ **M1** (7) ◀ in entry E 5 on Manganese — Mn, the words ‘Manganous carbonate’ and all content relating only to Manganous carbonate are deleted;
- ▶ **M1** (8) ◀ in entry E 5 on Manganese — Mn, the words ‘Manganous hydrogen phosphate, trihydrate’ and all content relating only to Manganous hydrogen phosphate, trihydrate are deleted;
- ▶ **M1** (9) ◀ in entry E 5 on Manganese — Mn, the words ‘Manganous sulphate, tetrahydrate’ and all content relating only to Manganous sulphate, tetrahydrate are deleted;
- ▶ **M1** (10) ◀ in entry E 6 on Zinc — Zn, the words ‘Zinc carbonate’ and all content relating only to Zinc carbonate are deleted;
- ▶ **M1** (11) ◀ in entry E 6 on Zinc — Zn, the words ‘Zinc lactate, trihydrate’ and all content relating only to Zinc lactate, trihydrate are deleted;
- ▶ **M1** (12) ◀ in entry E 6 on Zinc — Zn, the words ‘Zinc chloride, monohydrate’ and all content relating only to Zinc chloride, monohydrate are deleted.

*Article 9***Amendment to Regulation (EC) No 1259/2004**

Regulation (EC) No 1259/2004 is amended as follows:

- (1) Article 2 is replaced by the following:

▼B*Article 2*

The preparations belonging to the group “enzymes”, as set out in Annexes III and VI are authorised for use without a time limit as additive in animal nutrition under the conditions laid down in those Annexes.’;

- (2) Annex V is deleted.

*Article 10***Amendment to Regulation (EC) No 1288/2004**

Annex I to Regulation (EC) No 1288/2004 is amended as follows:

- (1) entry E 161(z), on ‘Astaxantin-rich *Phaffia Rhodozyma* (ATCC 74219)’ is deleted;
- (2) entry E 1704, on ‘*Saccharomyces cerevisiae* CBS 493.94’ for calves is deleted.

*Article 11***Amendment to Regulation (EC) No 1453/2004**

Annex II to Regulation (EC) No 1453/2004 is amended as follows:

- (1) Entry E 1609 on ‘Endo-1,4-beta-xylanase EC 3.2.1.8 Endo-1,4-beta-glucanase EC 3.2.1.4’ is deleted;
- (2) Entry E 1610 on ‘Endo-1,4-beta-glucanase EC 3.2.1.4 Endo-1,4-beta-xylanase EC 3.2.1.8’ is deleted;
- (3) Entry E 1611 on ‘Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase; EC 3.2.1.8 Polygalacturonase EC 3.2.1.15’ is deleted.

*Article 12***Amendment to Regulation (EC) No 2148/2004**

Regulation (EC) No 2148/2004 is amended as follows:

- (1) Articles 3, 4 and 5 are deleted;
- (2) in Annex I, in entry E 567, on ‘Clinoptilolite of volcanic origin’ the word ‘rabbits’ and all content relating only to rabbits are deleted;
- (3) in Annex II, entry E 1706 on ‘*Enterococcus faecium* DSM 7134, *Lactobacillus rhamnosus* DSM 7133’ is deleted;
- (4) Annexes III, IV and V are deleted.

*Article 13***Amendment to Regulation (EC) No 255/2005**

In Annex II to Regulation (EC) No 255/2005, entry E 1618 on ‘Endo-1,4-beta-xylanase EC 3.2.1.8’ is deleted.

▼B*Article 14***Amendment to Regulation (EC) No 358/2005**

Annex I to Regulation (EC) No 358/2005 is amended as follows:

- (1) entry E 1619 on ‘Alpha-amylase EC 3.2.1.1 and Endo-1,3(4)-beta-glucanase EC 3.2.1.6’ is deleted;
- (2) entry E 1622 on ‘Endo-1,3(4)-beta-glucanase EC 3.2.1.6 and Endo-1,4-beta-xylanase EC 3.2.1.8’ is deleted.

*Article 15***Amendment to Regulation (EC) No 521/2005**

Regulation (EC) No 521/2005 is amended as follows:

- (1) Article 1 is deleted;
- (2) Annex I is deleted.

*Article 16***Amendment to Regulation (EC) No 600/2005**

Regulation (EC) No 600/2005 is amended as follows:

- (1) Articles 1 and 2 are deleted;
- (2) Annexes I and II are deleted;
- (3) in Annex III, entry E 1709 on ‘*Enterococcus faecium* ATCC 53519 and *Enterococcus faecium* ATCC 55593 (In a 1/1 ratio)’ is deleted.

*Article 17***Amendment to Regulation (EC) No 943/2005**

Annex II to Regulation (EC) No 943/2005 is amended as follows:

- (1) entry E 1630 on ‘Endo-1,4-beta-xylanase EC 3.2.1.8 and Subtilisin EC 3.4.21.62’ is deleted;
- (2) entry E 1631 on ‘Endo-1,3(4)-beta-glucanase EC 3.2.1.6 and Endo-1,4-beta-xylanase EC 3.2.1.8’ is deleted;
- (3) entry E 1632 ‘3-Phytase EC 3.1.3.8’ is deleted.

*Article 18***Amendment to Regulation (EC) No 1206/2005**

In the Annex to Regulation (EC) No 1206/2005, entry E 1633 ‘on Endo-1,3(4)-beta-glucanase EC 3.2.1.6, Endo-1,4-beta-xylanase EC 3.2.1.8 and Subtilisin and EC 3.4.21.62’ is deleted.

*Article 19***Amendment to Regulation (EC) No 1458/2005**

Regulation (EC) No 1458/2005 is amended as follows:

- (1) Article 1 is deleted;

▼B

- (2) Annex I is deleted;
- (3) in Annex II to the Regulation, entry 60 on ‘on Endo-1,4-beta-xylanase EC 3.2.1.8, Endo-1,3(4)-beta-glucanase EC 3.2.1.6’ is deleted.

*Article 20***Amendment to Regulation (EC) No 1810/2005**

In Annex IV to Regulation (EC) No 1810/2005, entry 15 on ‘*Enterococcus faecium* NCIMB 11181’ is deleted.

*Article 21***Amendment to Regulation (EC) No 1811/2005**

- (1) In Annex I to Regulation (EC) No 1811/2005, entry E 1635 on ‘Endo-1,3(4)-beta-glucanase EC 3.2.1.6’ is deleted.
- (2) In Annex II to Regulation (EC) No 1811/2005, entry 63 on ‘on Endo-1,4-beta-xylanase EC 3.2.1.8 and Endo-1,3(4)-beta-glucanase EC 3.2.1.6’ is deleted.

*Article 22***Amendment to Regulation (EC) No 2036/2005**

Regulation (EC) No 2036/2005 is amended as follows:

- (1) Article 2 is deleted;
- (2) Annex II is deleted.

*Article 23***Amendment to Regulation (EC) No 252/2006**

Regulation (EC) No 252/2006 is amended as follows:

- (1) Article 2 is deleted;
- (2) Annex II is deleted;
- (3) in Annex III, entry 28 on ‘3-Phytase EC 3.1.3.8’ is deleted.

*Article 24***Amendment to Regulation (EC) No 773/2006**

Regulation (EC) No 773/2006 is amended as follows:

- (1) Article 3 is deleted;
- (2) Annex III is deleted.

*Article 25***Amendment to Regulation (EC) No 1284/2006**

Regulation (EC) No 1284/2006 is amended as follows:

- (1) Article 1 and Article 3 are deleted;
- (2) Annex I and Annex III are deleted.

▼ **M1**

Article 25a

Amendment to Regulation (EC) No 1443/2006

Article 1 of and Annex I to Regulation (EC) No 1443/2006 are deleted.

▼ **B**

Article 26

Amendment to Regulation (EU) No 1270/2009

Regulation (EU) No 1270/2009 is amended as follows:

- (1) Article 1 is deleted;
- (2) Annex I is deleted.

Article 27

Entry into force

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

▼B

ANNEX I

Additives referred to in Article 1(1)

PART A

Feed additives to be withdrawn for all species and categories of animals

Identification Number	Additive	Species or category of animals
Preservatives		
E 201	Sodium sorbate	All species
E 203	Calcium sorbate	All species
E 261	Potassium acetate	All species
E 283	Potassium propionate	All species
E 333	Calcium citrates	All species
E 334	L-Tartaric acid	All species
E 335	Sodium L-tartrates	All species
E 336	Potassium L-tartrates	All species
E 337	Potassium sodium L-tartrate	All species
E 507	Hydrochloric acid	All species
E 513	Sulphuric acid	All species
Antioxidants		
E 308	Synthetic gamma tocopherol	All species
E 309	Synthetic delta tocopherol	All species
E 311	Octyl gallate	All species
E 312	Dodecyl gallate	All species
Binders, anti-caking agents and coagulants		
E 330	Citric acid	All species
Colourants, including pigments		
Other colourants		
▼ <u>M1</u> Relevant number	Colouring agents authorised for colouring foodstuffs by Community rules, with the exception of: E150b, E150c and E150d Caramel colours; E 141 Chlorophyllin Copper Complex; E 172 Iron Oxide Red, Black & Yellow; E 171 Titanium dioxide (anatase & rutile structure); E 153 Carbon black	All species
▼ <u>B</u> E 142	Acid brilliant green BS/(Lissamine green)	All species

▼B

Identification Number	Additive	Species or category of animals
Emulsifying and stabilizing agents, thickeners and gelling agents		
E322	Lecithins (only as stabilizing agents, thickeners and gelling agents)	All species
E 400	Alginic acid	All species
E 402	Potassium alginate	All species
E 404	Calcium alginate	All species
E 405	Propane-1,2-diol alginate (Propyleneglycol alginate)	All species
E 432	Polyoxyethylene (20)-sorbitan monolaurate	All species
E 434	Polyoxyethylene (20)-sorbitan monopalmitate	All species
E 435	Polyoxyethylene (20)-sorbitan monostearate	All species
E 436	Polyoxyethylene (20)-sorbitan tristearate	All species
E 465	Ethylmethylcellulose	All species
E 473	Sucrose esters of fatty acids (esters of saccharose and edible fatty acids)	All species
E 474	Sucroglycerides (mixture of esters of saccharose and mono- and di-glycerides of edible fatty acids)	All species
E 475	Polyglycerol esters of non-polymerised edible fatty acids	All species
E 477	Mono-esters of propane-1,2-diol (propyleneglycol) and edible fatty acids, alone or in mixtures with diesters	All species
E 480	Stearoyl 2-lactylic acid	All species
E 481	Sodium stearoyl 2-lactylate	All species
E 482	Calcium stearoyl 2-lactylate	All species
E 483	Stearyl tartrate	All species
E 486	Dextrans	All species
E 491	Sorbitan monostearate	All species
E 492	Sorbitan tristearate	All species
E 494	Sorbitan monooleate	All species
E 495	Sorbitan monopalmitate	All species
E 496	Polyethyleneglycol 6000	All species
E 497	Polyoxypropylene-polyoxyethylene polymers (M.W. 6 800-9 000)	All species

▼B

Identification Number	Additive	Species or category of animals
Trace elements		
E 1	Iron — Fe , Ferrous chloride, tetrahydrate	All species
E 1	Iron — Fe , Ferrous citrate, hexahydrate	All species
E 1	Iron — Fe , Ferrous lactate, trihydrate	All species
E 2	Iodine — I , Calcium iodate, hexahydrate	All species
E 2	Iodine — I , Sodium iodide	All species
E 4	Copper — Cu , Cupric methionate	All species
E 5	Manganese — Mn , Manganic oxide	All species
E 5	Manganese — Mn , Manganomanganic oxide	All species
E 5	Manganese — Mn , Manganous carbonate	All species
E 5	Manganese — Mn , Manganous hydrogen phosphate, trihydrate	All species
E 5	Manganese — Mn , Manganous sulphate, tetrahydrate	All species
E 6	Zinc — Zn , Zinc carbonate	All species
E 6	Zinc — Zn , Zinc chloride monohydrate	All species
E 6	Zinc — Zn , Zinc lactate, trihydrate	All species
E 7	Molybdenum — Mo , Ammonium molybdate	All species
E 8	Selenium — Se , Sodium selenate	All species
Vitamins, provitamins and chemically well-defined substances having similar effect		
	Betaine. All forms with the exception of betaine anhydrous and betaine hydrochloride	All species
	Biotin. All forms with the exception of D-(+)-biotin	All species
	Carnitine. All forms with the exception of L carnitine and L carnitine L-tartrate	All species
	Choline. All forms with the exception of choline chloride	All species
	Folate. All forms of folate with the exception of folic acid	All species
	Niacin. All forms of niacin with the exception of niacin 99 % and niacinamide	All species
	Omega-3 Essential Unsaturated Fatty acids	All species
	Omega-6 Essential Unsaturated Fatty acids (all with exception of octadecadienoic acid)	All species
	Pantothenic acid. All forms with the exception of Calcium-D-pantothenate and D-panthenol	All species

▼B

Identification Number	Additive	Species or category of animals
	Para-amino benzoic acid (PABA)	All species
	Thiamine. All forms with the exception of thiamine hydrochloride and thiamine mononitrate	All species
	Vitamin A. All forms with the exception of retinyl acetate, retinyl palmitate and retinyl propionate	All species
	Vitamin B ₆ . All forms with the exception of pyridoxine hydrochloride	All species
	Vitamin C. All forms with the exception of ascorbic acid, sodium ascorbyl phosphate, sodium calcium ascorbyl phosphate	All species
	Vitamin E. All forms with the exception of <i>all-rac-alpha-tocopheryl acetate</i> , <i>RRR-alpha-tocopheryl acetate</i> and <i>RRR alpha tocopherol</i>	All species
	Vitamin K. All forms of Vitamin K with the exception of Vitamin K ₃ as menadione nicotinamide bisulphite and as ► M1 menadione sodium bisulphite ◀	All animal species

Amino acids, their salts and analogues

3.1.3.	Methionine/Methionine-zinc, technically pure	All species
3.2.1.	Lysine/L-lysine, technically pure	All species
3.4.2.	DL-Tryptophan, technically pure	All species

Silage additives**Enzymes**

	Xylanase EC 3.2.1.8 from <i>Trichoderma longibrachiatum</i> rifar IMI SD185	All species
--	-----------------------------------------------------------------------------	-------------

Microorganisms

	<i>Enterococcus faecium</i> BIO 34	All species
	<i>Lactobacillus salivarius</i> CNCM I-3238/ATCC 11741	All species
	<i>Pediococcus pentosaceus</i> NCIMB 30089	All species

Substances

	Formaldehyde	All species
	Sodium bisulphate	All species

Flavouring and appetising substances**Natural products — botanically defined**

	Birch tincture CoE 88	All species
--	-----------------------	-------------

▼**B**

Identification Number	Additive	Species or category of animals
Natural products and corresponding synthetic products		
	CAS No 16630-52-7/3-(Methylthio)butanal/Flavis No 12.056	All species
	CAS No 2179-60-4/Methyl propyl disulfide/Flavis No 12.019	All species
	CAS No 36431-72-8/Theaspirane/Flavis No 13.098	All species
	CAS No 3738-00-9/1,5,5,9-Tetramethyl-13-oxatricyclo [8.3.0.0.(4.9)]tridecane/Flavis No 13.072	All species
	CAS No 40789-98-8/3-Mercaptobutan-2-one/Flavis No 12.047	All species
	CAS No 43040-01-3/3-Methyl-1,2,4-trithiane/Flavis No 15.036	All species
	CAS No 495-62-5/1,4(8),12-Bisabolatriene/Flavis No 01.016	All species
	CAS No 516-06-3/D,L-Valine/Flavis No 17.023	All species
	CAS No 5756-24-1/Dimethyl tetrasulfide/Flavis No 12.116	All species
	CAS No 6028-61-1/Dipropyl trisulfide/Flavis No 12.023	All species
	CAS No 689-67-8/6,10-Dimethyl-5,9-undecadien-2-one/Flavis No 07.216	All species
	CAS No 78-98-8/2-Oxopropanal/Flavis No 7.001	All species

PART B

Feed additives to be withdrawn for certain species or categories of animals

Identification Number	Additive	Species or category of animals
Preservatives		
E 214	Ethyl 4-hydroxybenzoate	Pets
E 215	Sodium ethyl 4-hydroxybenzoate	Pets
E 216	Propyl 4-hydroxybenzoate	Pets
E 217	Sodium propyl 4-hydroxybenzoate	Pets
E 218	Methyl 4-hydroxybenzoate	Pets
E 219	Sodium methyl 4-hydroxybenzoate	Pets
E 222	Sodium bisulphite	Dogs; Cats
E 223	Sodium metabisulphite	Dogs; Cats
E 285	Methylpropionic acid	Ruminants, at the beginning of rumination

▼B

Identification Number	Additive	Species or category of animals
Acidity regulators		
E 210	Benzoic acid	Pigs for fattening
E 340(iii)	Tripotassium orthophosphate	Cats; Dogs
E 350(i)	Sodium malate (Salt of DL- or L-Malic Acid)	Cats; Dogs
E 507	Hydrochloric acid	Cats; Dogs
E 513	Sulphuric acid	Cats; Dogs
Binders, anti-caking agents and coagulants		
E 567	Clinoptilolite of volcanic origin	Rabbits
E 598	Synthetic calcium aluminates	Dairy cows; Cattle for fattening; Calves; Lambs; Kids; Poultry; Rabbits; Pigs
Colourants, including pigments		
Carotenoids and xanthophylls		
E 161b	Lutein	Cats & dogs
E 160c	Capsanthin	Turkeys
E 161c	Cryptoxanthin	Poultry
E 160e	Beta-apo-8'-carotenal	Poultry
E 161g	Canthaxanthin	All species and uses with the exception of: — Chickens for fattening and minor poultry species for fattening for uses belonging to the functional group 2 (a) (ii) — Laying poultry and poultry reared for laying for uses belonging to the functional group 2 (a) (ii). — Ornamental birds and ornamental fish for uses belonging to the functional group 2 (a) (iii)
▼M1 E 161j	Astaxanthin	All species with the exception of: — Fish and crustaceans for uses belonging to the functional group 2(a) (ii) — Ornamental fish for uses belonging to the functional group 2(a) (iii)
▼B E 161z	Astaxantin-rich <i>Phaffia Rhodozyma</i> (ATCC 74219)	Salmon; Trout

▼B

Identification Number	Additive	Species or category of animals
-----------------------	----------	--------------------------------

Other colourants**▼M1**

E 155	Brown HT	Dogs and cats
E 104	Quinoline yellow	All species except non-food producing animals for uses belonging to the functional group 2(a) (i)
E 122	Azorubine (carmoisine)	All species with the exception of dogs and cats for uses belonging to the functional group 2(a) (i)
Relevant number	Colouring agents authorised for colouring foodstuffs by Community rules, with the exception of:	
	E 102 Tartrazine.	All species except dogs and cats
	E 160b Bixin.	All species except dogs and cats.
	E 110 Sunset yellow FCF	All species except dogs and cats.
	E 120 Carmine (Carmine Lake WSP 50 %)	All species except dogs and cats
	E 124 Ponceau 4 R	All species except dogs and cats
	E 127 Erythrosine	All species except dogs, cats and reptiles
	E 129 Allura red	All species except dogs and cats
	E 132 Indigotine	All species except dogs and cats
	E 133 Brilliant blue	All species except dogs and cats
E 160 b	Bixin as a colouring agent	Ornamental fish
E 102	Tartrazine as a colouring agent	All species except ornamental fish, grain-eating ornamental birds and small rodents
E 131	Patent Blue V as a colouring agent	All species except non-food producing animals for uses belonging to the functional group 2(a) (i)
E 124	Ponceau 4 R as a colouring agent	All species except ornamental fish
E 127	Erythrosine as a colouring agent	All species except ornamental fish.
E 132	Indigotine as a colouring agent	All species except ornamental fish
E 141	Chlorophyllin copper complex as a colouring agent	All species except ornamental fish, grain-eating ornamental birds and small rodents

▼ **M1**

Identification Number	Additive	Species or category of animals
E 110	Sunset yellow FCF as a colouring agent	All species except ornamental fish, grain-eating ornamental birds and small rodents
E 153	Carbon black as a colouring agent	All species except ornamental fish

▼ **B****Emulsifying and stabilizing agents, thickeners and gelling agents**

E 401	Sodium alginate	All species with the exception of Fish; Pets and other non-food producing animals (non-food fur animals)
E 403	Ammonium alginate	All species or categories of animals with the exception of aquarium fish
E 406	Agar	All species with the exception of Pets and other non-food producing animals (non-food fur animals)
E 407	Carrageenan	All species with the exception of Pets and other non-food producing animals (non-food fur animals)
E 418	Gellan gum	Dogs; cats
E 488	Polyoxyethylated glyceride of tallow fatty acids	Calves
E 489	Ether of polyglycerol and of alcohols obtained by the reduction of oleic and palmitic acids	Calves
E 498	Partial polyglycerol esters of polycondensed fatty acids of castor oil	Dogs

Enzymes

E 1600	3-Phytase/EC 3.1.3.8 produced by <i>Aspergillus niger</i> (CBS 114.94)	Piglets; Pigs for fattening; Sows; Chickens for fattening; Laying hens
E 1600	3-Phytase/EC 3.1.3.8 produced by <i>Aspergillus niger</i> (CBS 114.94)	Turkeys for fattening
E 1605	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Aspergillus niger</i> (CBS 520.94)	Chickens for fattening
E 1608	Endo-1,4-beta-xylanase/EC 3.2.1.8/Endo-1,4-beta-glucanase/EC 3.2.1.4 produced by <i>Humicola insolens</i> (DSM 10442)	Chickens for fattening
E 1609	Endo-1,4-beta-xylanase/EC 3.2.1.8/Endo-1,4-beta-glucanase/EC 3.2.1.4 produced by <i>Aspergillus niger</i> (CBS 600.94) (coated, solid and liquid forms)	Chickens for fattening; Turkeys for fattening; Piglets (weaned)

▼B

Identification Number	Additive	Species or category of animals
E 1609	Endo-1,4-beta-xylanase/EC 3.2.1.8/Endo-1,4-beta-glucanase/EC 3.2.1.4 produced by <i>Aspergillus niger</i> (CBS 600.94) (granulate form)	Chickens for fattening; Turkeys for fattening; Piglets (weaned)
E 1610	Endo-1,4-beta-glucanase/EC 3.2.1.4/Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Aspergillus niger</i> (CBS 600.94)	Chickens for fattening
E 1611	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106)/Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135)/Polygalacturonase/EC 3.2.1.15 produced by <i>Aspergillus aculeatus</i> (CBS 589.94)	Pigs for fattening
E 1614	6-Phytase/EC 3.1.3.26 produced by <i>Aspergillus oryzae</i> (DSM 11857)	Chickens for fattening; Laying hens; Turkeys for fattening; Piglets; Pigs for fattening; Sows
E 1615	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (CNCM MA 6-10 W)	Chickens for fattening
E 1618	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Aspergillus niger</i> (CBS 270.95)	Chickens for Fattening; Turkeys for Fattening
E 1619	Alpha-amylase/EC 3.2.1.1/Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553)	Chickens for fattening
E 1622	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6/Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (CBS 357.94)	Chickens for fattening
E 1623	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and subtilisin/EC 3.4.21.62 produced by <i>Bacillus subtilis</i> (ATCC 2107)	Chickens for fattening
E 1624	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135) and alpha-amylase/EC 3.2.1.1 produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553)	Piglets (weaned)
E 1625	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135), alpha-amylase/EC 3.2.1.1 produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553) and polygalacturonase/EC 3.2.1.15 produced by <i>Aspergillus aculeatus</i> (CBS 589.94)	Piglets (weaned)
E 1626	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and subtilisin/EC 3.4.21.62 produced by <i>Bacillus subtilis</i> (ATCC 2107)	Piglets (weaned)
E 1627	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105)	Pigs for fattening
E 1628	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105)	Piglets (weaned); Pigs for fattening; Chickens for fattening
E 1629	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106)	Chickens for fattening

▼B

Identification Number	Additive	Species or category of animals
E 1630	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and subtilisin/EC 3.4.21.62 produced by <i>Bacillus subtilis</i> (ATCC 2107)	Chickens for fattening
E 1631	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135)	Chickens for fattening
E 1632	3-Phytase/EC 3.1.3.8 produced by <i>Trichoderma reesei</i> (CBS 528.94)	Chickens for fattening; Piglets (weaned); Pigs for fattening
E 1633	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and subtilisin/EC 3.4.21.62 produced by <i>Bacillus subtilis</i> (ATCC 2107)	Chickens for fattening
E 1634	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Aspergillus niger</i> (MUCL 39199)	Chickens for fattening
E 1635	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106)	Chickens for fattening
E 1636	Endo-1,3(4)-beta-glucanase produced by <i>Trichoderma reesei</i> (CBS 526.94/EC 3.2.1.6)	Piglets (weaned); Chickens for fattening
E 1637	Endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105)/EC 3.2.1.8 and Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 and alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553)/EC 3.2.1.1; subtilisin produced by <i>Bacillus subtilis</i> (ATCC 2107)/EC 3.4.21.62 and polygalacturonase produced by <i>Aspergillus aculeatus</i> (CBS 589.94)/EC 3.2.1.15	Chickens for fattening
E 1638	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and alpha-amylase/EC 3.2.1.1 produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553)	Piglets (weaned)
E 1639	3-Phytase produced by <i>Hansenula polymorpha</i> (DSM 15087)	Chickens for fattening; Turkeys for fattening; Laying hens; Piglets; Pigs for fattening; Sows
E 1640	6-Phytase produced by <i>Schizosaccharomyces pombe</i> (ATCC 5233)/EC 3.1.3.26	Chickens for fattening
E 1641	Endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (MUCL 39203)/EC 3.2.1.8	Chickens for fattening
Micro-organisms		
E 1704	<i>Saccharomyces cerevisiae</i> CBS 493.94	Calves
E 1706	<i>Enterococcus faecium</i> DSM 7134, <i>Lactobacillus rhamnosus</i> DSM 7133	Piglets (weaned)
E 1709	<i>Enterococcus faecium</i> ATCC 53519, <i>Enterococcus faecium</i> ATCC 55593 (In a 1/1 ratio)	Chickens for fattening
E 1714	<i>Lactobacillus farciminis</i> CNCM MA 67/AR	Piglets (weaned)

▼B

Identification Number	Additive	Species or category of animals
Chemically well-defined substances having a similar biological effect to vitamins		
3a900	Inositol	All species with the exception of fish and crustacean
—	Omega-6 Essential Unsaturated Fatty acids (as octadecadienoic acid)	All species with the exception of Pigs for fattening; Sows for reproduction; Sows, in order to have benefit in piglets; Cows for reproduction; Dairy cows for milk production
3a370	Taurine	All species with the exception of canidae, felidae mustelidae and carnivorous fish
E 670	Vitamin D ₂	Pigs; Piglets; Bovines; Ovines; Calves; Equines; Other species or categories of animals with the exception of poultry and fish
Urea and its derivatives		
2.1.2.	Biuret, technically pure	Ruminants from the beginning of rumination
2.1.3.	Urea-phosphate, technically pure	Ruminants from the beginning of rumination
2.1.4.	Diureidoisobutane, technically pure	Ruminants from the beginning of rumination
Flavouring and appetising substances		
Natural products and corresponding synthetic products		
	CAS No 134-20-3/Methyl anthranilate/Flavis No 09.715	Avian species
	CAS No 85-91-6/Methyl N-methylantranilate/Flavis No 09.781	Avian species
	CAS No 93-28-7/Eugenyl acetate/Flavis No 09.020	Poultry and fish
	CAS No 97-53-0/Eugenol/Flavis No 04.003	Fish
	CAS No 107-85-7/3-Methylbutylamine/Flavis No 11.001	Laying hens
	CAS No 75-50-3/Trimethylamine/Flavis No 11.009	Laying hens
	CAS No 6627-88-9/4-Allyl-2,6-dimethoxyphenol/Flavis No 04.051	Fish and poultry
	CAS No 593-81-7/Trimethylamine hydrochloride/Flavis No 11.024	Laying hens



ANNEX II

Feed additives referred to in Article 1(2)

Identification Number	Additive	Species or category of animals
Enzymes		
11	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 <i>Trichoderma longibrachiatum</i> (ATCC 74 252)	Laying hens
28	3-Phytase/EC 3.1.3.8 produced by <i>Trichoderma reesei</i> (CBS 528.94)	Laying hens
30	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6/Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Penicillium funiculosum</i> (IMI SD 101)	Piglets (weaned); Ducks for fattening
37	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105)/and subtilisin/EC 3.4.21.62 produced by <i>Bacillus subtilis</i> (ATCC 2107)	Laying hens
51	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Bacillus subtilis</i> (LMG S-15136)	Pigs for fattening
60	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105)and endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106)	Turkeys for fattening
63	Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma reesei</i> (CBS 529.94) and endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma reesei</i> (CBS 526.94)	Turkeys for fattening; Chickens for fattening
64	Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Aspergillus aculeatus</i> (CBS 589.94) and endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Aspergillus oryzae</i> (DSM 10287)	Chickens for fattening; Piglets (weaned)
Micro-organisms		
15	<i>Enterococcus faecium</i> NCIMB 11181	Chickens for fattening
24	<i>Kluyveromyces marxianus var. lactis</i> K1 BCCM/MÜCL 39434	Dairy cows
25	<i>Lactobacillus acidophilus</i> DSM 13241	Cats, Dogs
Coccidiostats and other medicinal substances		
E 764	Halofuginone hydrobromide 6g/kg (Stenorol)	Chickens reared for laying
E 766	Salinomycin sodium 120 g/kg (Sacox 120) (holder of the authorisation Huvepharma NV)	Rabbits for fattening
E 766	Salinomycin sodium 120 g/kg (Salinomax 120G) (holder of the authorisation Zoetis Belgium SA)	Chickens for fattening