

## I

*(Information)***COMMISSION****List of the authorised additives in feedingstuffs <sup>(1)</sup> published in application of Article 9t (b) of Council Directive 70/524/EEC concerning additives in feedingstuffs***(2004/C 50/01)***(Text with EEA relevance)**

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<sup>(1)</sup> Situation as 15 July 2003.

## INTRODUCTION

In application of the provisions of Article 9t (b) of Council Directive 70/524/EEC of 23 November 1970 concerning additives in feedingstuffs <sup>(1)</sup>, the Commission publishes each year the list of the authorised additives in the *Official Journal of the European Union* C series, subdivided as follows:

- Chapter I: List of additives linked to a person responsible for putting them into circulation and authorised for a period of 10 years,
- Chapter II: List of additives linked to a person responsible for putting them into circulation and authorised on a provisional basis for no longer than four years or five years in the case of additives which have been the subject of provisional authorisation before 1 April 1998,
- Chapter III: List of other additives authorised for an unlimited period,
- Chapter IV: List of other additives authorised on a provisional basis for no longer than four years or five years in the case of additives which have been the subject of provisional authorisation before 1 April 1998.

Annex I gives the list certain additives belonging to the groups of 'antibiotics', 'coccidiostats and other medicinal substances' and 'growth promoters' which have been authorised before the 1 January 1988 and are currently under a re-evaluation period within the scope of Article 9g of Directive 70/524/EEC.

In Annex II, a list gives the references of all the Community Acts having modified the list of the authorised additives since the 15 November 2001 <sup>(2)</sup>.

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<sup>(1)</sup> OJ L 270, 14.12.1970, p. 1.

<sup>(2)</sup> List of the authorised additives in feedingstuffs published in application of Article 9t (b) of Council Directive 70/524/EEC concerning additives in feedingstuffs (OJ C 329, 31.12.2002, p. 1).

CHAPTER I: LIST OF ADDITIVES LINKED TO A PERSON RESPONSIBLE FOR PUTTING THEM INTO CIRCULATION AND AUTHORISED FOR A PERIOD OF 10 YEARS

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
<b>Antibiotics</b>									
E 712	Intervet International bv	<p>Flavophospholipol 80 g/kg (Flavomycin 80)</p> <p>Flavophospholipol 40 g/kg (Flavomycin 40)</p>	<p><b>Additive composition:</b></p> <p>Flavophospholipol: ≥ 80 g activity/kg</p> <p>Silicon dioxide: 50-150 g/kg</p> <p>Calcium carbonate: 0-400 g/kg</p> <p>Flavophospholipol: ≥ 40 g activity/kg</p> <p>Silicon dioxide: 20-120 g/kg</p> <p>Calcium carbonate: 200-750 g/kg</p> <p><b>Active substance:</b></p> <p>Flavophospholipol,</p> <p>CAS number: 11015-37-5,</p> <p>(moenomycin A: C<sub>69</sub>H<sub>108</sub>N<sub>5</sub>O<sub>34</sub>P),</p> <p>phosphoglycolipid produced by fermentation of <i>Streptomyces ghanaensis</i> (DSM 12218).</p> <p>Composition of antibiotic factors:</p> <p>Moenomycin A: 40 %-80 %,</p> <p>Moenomycin A<sub>1/2</sub>: 0-20 %,</p> <p>Moenomycin C<sub>1</sub>: 0-20 %,</p> <p>Moenomycin C<sub>3</sub>: 5 %-25 %,</p> <p>Moenomycin C<sub>4</sub>: 0-15 %.</p>	Rabbits	—	2	4	—	30.9.2009

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
E 716	Intervet International bv	Salinomycin sodium 120 g/kg  (Salocin 120 micro Granulate)	<p><b>Additive composition:</b></p> <p>Salinomycin sodium: ≥ 120 g/kg</p> <p>Silicon dioxide: 10-100 g/kg</p> <p>Calcium carbonate: 350-700 g/kg</p> <p><b>Active substance:</b></p> <p>Salinomycin sodium, C<sub>42</sub>H<sub>69</sub>O<sub>11</sub>Na, CAS number: 53003-10-4, sodium salt of a polyether monocarboxylic acid produced by fermentation of <i>Streptomyces albus</i> (DSM 12217).</p> <p>Related impurities:</p> <p>&lt; 42 mg elaiophylin/kg salinomycin sodium, &lt; 40 g 17-epi-20-desoxy-salinomycin/kg salinomycin sodium.</p>	Piglets	Four months	30	60	Indicate in the instructions for use: 'Dangerous for equines' 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'	30.9.2009
				Pigs for fattening	Six months	15	30	Indicate in the instructions for use: 'Dangerous for equines' 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'	30.9.2009

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
E 717	Eli Lilly and Company Ltd	Avilamycin 200 g/kg (Maxus G200, Maxus 200)  Avilamycin 100 g/kg (Maxus G100, Maxus 100)	<p><b>Additive composition:</b></p> <p>Avilamycin: 200 g activity/kg Soyabean oil or mineral oil: 5-30 g/kg Soyabean hulls qs 1 kg</p> <p>Avilamycin: 100 g activity/kg Soyabean oil or mineral oil: 5-30 g/kg Soyabean hulls qs 1 kg</p> <p><b>Active substance:</b></p> <p>Avilamycin, <math>C_{57-62}H_{82-90}Cl_{1-2}O_{31-32}</math>, CAS number of avilamycin A: 69787-79-7, CAS number of avilamycin B: 73240-30-9, mixture of oligosaccharides of the orthosomycin group produced by <i>Streptomyces viridochromogenes</i> (NRRL 2860), in granular form.</p> <p>Factor composition:</p> <p>Avilamycin A: ≥ 60 %. Avilamycin B: ≤ 18 %. Avilamycins A+B: ≥ 70 %. Other single avilamycins: ≤ 6 %.</p>	Piglets	Four months	20	40	—	30.9.2009
				Pigs for fattening	Six months	10	20	—	30.9.2009
				Chickens for fattening	—	2,5	10	—	30.9.2009
				Turkeys	—	5	10	—	20.1.2013

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			

**Coccidiostats and other medicinal substances**

E 758	Alpharma AS	Robenidine hydrochloride 66 g/kg (Cycostat 66 G)	<p><b>Additive composition:</b></p> <p>Robenidine hydrochloride: 66 g/kg</p> <p>Lignosulfonate: 40 g/kg</p> <p>Calcium sulfate dihydrate: 894 g/kg</p> <p><b>Active substance:</b></p> <p>Robenidine hydrochloride,</p> <p><math>C_{15}H_{13}Cl_2N_5 \cdot HCl</math>,</p> <p>1,3-bis[(p-chlorobenzylidene)amino]guanidine hydrochloride,</p> <p>CAS number: 25875-50-7,</p> <p>Related impurities:</p> <p>N,N',N''-Tris[(p-Cl-benzylidene)amino]guanidine: <math>\leq 1\%</math></p> <p>Bis-[4-Cl-benzylidene]hydrazine: <math>\leq 1\%</math></p>	Rabbits for breeding purposes	—	50	66	Use prohibited at least five days before slaughter	30.9.2009
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Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
E 763	Alpharma AS	Lasalocid A sodium 15 g/100 g  (Avatec 15 % cc)	<p><b>Additive composition:</b></p> <p>Lasalocid A sodium: 15 g/100 g</p> <p>Corn cob meal: 80,95 g/100 g</p> <p>Lecithin: 2 g/100 g</p> <p>Soya oil: 2 g/100 g</p> <p>Ferric oxide: 0,05 g/100 g</p> <p><b>Active substance:</b></p> <p>Lasalocid A sodium,  C<sub>34</sub>H<sub>53</sub>O<sub>8</sub>Na,  CAS number: 25999-20-6,  sodium salt of 6-[(3R, 4S, 5S, 7R)-7-[(2S, 3S, 5S)-5-ethyl-5-[(2R, 5R, 6S)-5-ethyl-5-hydroxy-6-methyltetrahydro-2H-pyran-2-yl]-tetrahydro-3-methyl-2-furyl]-4-hydroxy-3,5-dimethyl-6-oxononyl]-2,3-cresotic acid, produced by <i>Streptomyces lasaliensis</i> subsp. <i>lasaliensis</i> (ATCC 31180)</p> <p>Related impurities:</p> <p>Lasalocid sodium B-E: ≤ 10 %</p>	Turkeys	12 weeks	90	125	<p>Use prohibited at least five days before slaughter</p> <p>Indicate in the instructions for use:</p> <p>'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances can be contra-indicated'</p>	30.9.2009

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
E 764	Intervet International bv	Halofuginone hydrobromide 6 g/kg (Stenorol)	<p><b>Additive composition:</b></p> <p>Halofuginone hydrobromide: 6 g/kg</p> <p>Gelatine: 13,2 g/kg</p> <p>Starch: 19,2 g/kg</p> <p>Sugar: 21,6 g/kg</p> <p>Calcium carbonate: 940 g/kg</p> <p><b>Active substance:</b></p> <p>Halofuginone hydrobromide,</p> <p><math>C_{16}H_{17}BrClN_3O_3 \cdot HBr</math></p> <p>DL-trans-7-bromo-6-chloro-3-(3-(3-hydroxy-2-piperidyl)acetyl)-4(3H)-quinazolinone hydrobromide,</p> <p>CAS number: 64924-67-0.</p> <p>Related impurities:</p> <p>Cis-isomer of halofuginone: &lt; 1,5 %</p>	Chickens reared for laying	16 weeks	2	3	—	30.9.2009



Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
E 766	Intervet International bv	Salinomycin sodium 120 g/kg (Sacox 120)	<p><b>Additive composition:</b></p> <p>Salinomycin sodium: <math>\geq 120</math> g/kg</p> <p>Silicon dioxide: 10-100 g/kg</p> <p>Calcium carbonate: 350-700 g/kg</p> <p><b>Active substance:</b></p> <p>Salinomycin sodium,</p> <p><math>C_{42}H_{69}O_{11}Na</math>,</p> <p>CAS number: 53003-10-4,</p> <p>sodium salt of a polyether monocarboxylic acid produced by fermentation of <i>Streptomyces albus</i> (DSM 12217)</p> <p>Related impurities:</p> <p>&lt; 42 mg elaiophylin/kg salinomycin sodium,</p> <p>&lt; 40 g 17-epi-20-desoxy-salinomycin/kg salinomycin sodium,</p>	Rabbits for fattening	—	20	25	<p>Use prohibited at least five days before slaughter</p> <p>Indicate in the instructions for use:</p> <p>'Dangerous for equines'</p> <p>'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'</p>	31.5.2011

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
E 770	Alpharma AS	Maduramicin ammonium alpha 1 g/100g (Cygro 1 %)	<p><b>Additive composition:</b></p> <p>Maduramicin ammonium alpha: 1 g/100 g</p> <p>Benzyl alcohol: 5 g/100 g</p> <p>Corn cob grits qs 100 g</p> <p><b>Active substance:</b></p> <p>Maduramicin ammonium alpha,</p> <p><math>C_{47}H_{83}O_{17}N</math>,</p> <p>CAS number: 84878-61-5,</p> <p>ammonium salt of a polyether monocarboxylic acid produced by <i>Actinomadura yumaensis</i> (ATCC 31585) (NRRL 12515).</p> <p>Related impurities:</p> <p>Maduramicin ammonium beta: &lt; 10 %</p>	Chickens for fattening	—	5	5	Use prohibited at least five days before slaughter Indicate in the instructions for use: 'Dangerous for equines' 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'	30.9.2009
				Turkeys	16 weeks	5	5	Use prohibited at least five days before slaughter Indicate in the instructions for use: 'Dangerous for equines' 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'	15.12.2011

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
E 771	Janssen Animal Health B.V.B.A	Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix)	<p><b>Additive composition:</b></p> <p>Diclazuril: 0,5 g/100 g Soybean meal: 99,25 g/100 g Polyvidone K 30: 0,2 g/100 g Sodium hydroxyde: 0,0538 g/100 g</p>	Chickens for fattening	—	1	1	Use prohibited at least five days before slaughter	30.9.2009
				Turkeys for fattening	12 weeks	1	1	Use prohibited at least five days before slaughter	28.2.2011
				Chickens reared for laying	16 weeks	1	1	—	20.1.2013
		Diclazuril 0,2 g/100 g (Clinacox 0,2 % Premix)	<p>Diclazuril: 0,2 g/100 g Soybean meal: 39,7 g/100 g Polyvidone K 30: 0,08 g/100 g Sodium hydroxide: 0,0215 g/100 g Wheat middlings: 60 g/100 g</p> <p><b>Active substance:</b> Diclazuril, <math>C_{17}H_9Cl_3N_4O_2</math>, (±)-4-chlorophenyl[2,6-dichloro-4-(2,3,4,5-tetrahydro-3,5-dioxo-1,2,4-triazin-2-yl)phenyl]acetonitrile, CAS number: 101831-37-2,</p> <p>Related impurities: Degradation compound (R064318): ≤ 0,2 % Other related impurities (R066891, R066896, R068610, R070156, R068584, R070016): ≤ 0,5 % individually Total impurities: ≤ 1,5 %</p>						



CHAPTER II: LIST OF ADDITIVES LINKED TO A PERSON RESPONSIBLE FOR PUTTING THEM INTO CIRCULATION AND AUTHORISED ON A PROVISIONAL BASIS FOR NO LONGER THAN FOUR YEARS OR FIVE YEARS IN THE CASE OF ADDITIVES WHICH HAVE BEEN THE SUBJECT OF PROVISIONAL AUTHORISATION BEFORE 1 APRIL 1998

Regis- tration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
<b>Antibiotics</b>									
—	—	—	—	—	—	—	—	—	—
<b>Coccidiostats and other medicinal substances</b>									
29	Phibro Animal Health, s.p.r.l.	Semduramicin sodium (Aviavax 5 %)	<p><b>Additive composition:</b></p> <p>Semduramicin sodium: 51,3 g/kg</p> <p>Sodium carbonate: 40 g/kg</p> <p>Mineral oil: 50 g/kg</p> <p>Sodium aluminosilicate: 20 g/kg</p> <p>Soybean mill run: 838,7 g/kg</p> <p><b>Active substance:</b></p> <p>Semduramicin sodium</p> <p><math>C_{45}H_{76}O_{16}Na</math></p> <p>CAS number 113378-31-7</p> <p>sodium salt of a monocarboxylic acid polyether ionophore produced by <i>Actinomadura roseorufa</i> (ATCC 53664)</p> <p>Related impurities:</p> <p>Descarboxylsemduramicin, ≤ 2 %</p> <p>Desmethoxylsemduramicin, ≤ 2 %</p> <p>Hydroxylsemduramicin, ≤ 2 %</p> <p>Total: ≤ 5 %</p>	Chickens for fatten- ing	—	20	25	Use prohibited at least five days before slaughter	1.6.2006 (*)

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			

#### Growth promoters

1	BASF Aktiengesellschaft α DE RP 1 31401	Potassium diformate (Formi™ LHS)	<b>Additive composition:</b> Potassium diformate, solid min. 98 %, Silicate max. 1,5 %, Water max. 0,5 %	Piglets (weaned)	2 months	6 000	18 000	—	30.6.2005 (*)
				Pigs for fattening	—	6 000	12 000	—	30.6.2005 (*)
			<b>Active substance:</b> Potassium diformate, solid $\text{KH}(\text{COOH})_2$ CAS No 20642-05-1						

CHAPTER III: LIST OF OTHER ADDITIVES AUTHORISED FOR AN UNLIMITED PERIOD

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
<b>Antioxidant substances</b>								
E 300	L-Ascorbic acid	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 301	Sodium L-ascorbate	C <sub>6</sub> H <sub>7</sub> O <sub>6</sub> Na	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 302	Calcium L-ascorbate	C <sub>12</sub> H <sub>14</sub> O <sub>12</sub> Ca · 2H <sub>2</sub> O	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 303	5,6-Diacetyl-L-ascorbic acid	C <sub>10</sub> H <sub>12</sub> O <sub>8</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 304	6-Palmityl-L-ascorbic acid	C <sub>22</sub> H <sub>38</sub> O <sub>7</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 306	Tocopherol-rich extracts of natural origin	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 307	Synthetic alpha-tocopherol	C <sub>29</sub> H <sub>50</sub> O <sub>2</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 308	Synthetic gamma-tocopherol	C <sub>28</sub> H <sub>48</sub> O <sub>2</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 309	Synthetic delta-tocopherol	C <sub>27</sub> H <sub>46</sub> O <sub>2</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 310	Propyl gallate	C <sub>10</sub> H <sub>12</sub> O <sub>5</sub>	All species or categories of animals	—	—	100 alone or together with E 311 or E 312	All feedingstuffs	Without a time limit
E 311	Octyl gallate	C <sub>15</sub> H <sub>22</sub> O <sub>5</sub>	All species or categories of animals	—	—	100 alone or together with E 310 or E 312	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 312	Dodecyl gallate	C <sub>19</sub> H <sub>30</sub> O <sub>5</sub>	All species or categories of animals	—	—	100 alone or together with E 310 or E 311	All feedingstuffs	Without a time limit
E 320	Butylated hydroxyanisole (BHA)	C <sub>11</sub> H <sub>16</sub> O <sub>2</sub>	All species or categories of animals except dogs	—	—	150 alone or together with E 321 and/or E 324	All feedingstuffs	Without a time limit
			Dogs	—	—	150 alone or together with E 321	The mixture of ethoxyquin with BHA and/or BHT is allowed provided the total concentration of the mixture does not exceed 150 mg/kg of complete feedingstuff.	Without a time limit
E 321	Butylated hydroxytoluene (BHT)	C <sub>15</sub> H <sub>24</sub> O	All species or categories of animals except dogs	—	—	150 alone or together with E 320 and/or E 324	All feedingstuffs	Without a time limit
			Dogs	—	—	150 alone or together with E 320	The mixture of ethoxyquin with BHA and/or BHT is allowed provided the total concentration of the mixture does not exceed 150 mg/kg of complete feedingstuff.	Without a time limit
E 324	Ethoxyquin	C <sub>14</sub> H <sub>19</sub> ON	All species or categories of animals except dogs	—	—	150 alone or together with E 320 and/or E 321	All feedingstuffs	Without a time limit
			Dogs	—	—	100	The mixture of ethoxyquin with BHA and/or BHT is allowed provided the total concentration of the mixture does not exceed 150 mg/kg of complete feedingstuff.	Without a time limit



EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			

### Flavouring and appetising substances

	1. <i>All natural products and corresponding synthetic products</i>	—	All species or categories of animals	—	—	—	—	Without a time limit
	2. <i>Artificial substances:</i>							
E 954 (i)	Saccharin	C <sub>7</sub> H <sub>5</sub> NO <sub>3</sub> S	Piglets	Four months	—	150	—	Without a time limit
E 954 (ii)	Calcium saccharin	C <sub>7</sub> H <sub>3</sub> NCaO <sub>3</sub> S	Piglets	Four months	—	150	—	Without a time limit
E 954 (iii)	Sodium saccharin	C <sub>7</sub> H <sub>4</sub> NNaO <sub>3</sub> S	Piglets	Four months	—	150	—	Without a time limit
E 959	Neohesperidine dihydrochalcone	C <sub>28</sub> H <sub>36</sub> O <sub>15</sub>	Piglets	Four months	—	35	—	Without a time limit
			Dogs	—	—	35	—	Without a time limit
			Calves	—	—	30	—	Without a time limit
			Ovines	—	—	30	—	Without a time limit

### Emulsifying and stabilising agents, thickeners and gelling agents

E 322	Lecithins	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 400	Alginic acid	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 401	Sodium alginate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 402	Potassium alginate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 403	Ammonium alginate	—	All species or categories of animals with the exception of aquarium fish	—	—	—	All feedingstuffs	Without a time limit
E 404	Calcium alginate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 405	Propane-1,2-diol alginate (Propyleneglycol alginate)	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 406	Agar	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 407	Carrageenan	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 410	Locust bean gum (Carob gum)	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 411	Tamarind seed flour	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 412	Guar gum	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 413	Tragacanth	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 414	Acacia (Gum arabic)	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 415	Xanthan gum	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 418	Gellan gum	Polytetrasaccharide containing glucose, glucuronic acid and rhamnose (2:1:1) produced by <i>Pseudomonas elodea</i> (ATCC 31466)	Dogs	—	—	—	Feedingstuffs with a moisture content exceeding 20 %	Without a time limit
			Cats	—	—	—	Feedingstuffs with a moisture content exceeding 20 %	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 420	Sorbitol	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 421	Mannitol	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 422	Glycerol	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 432	Polyoxyethylene (20)-sorbitan monolaurate	—	All species or categories of animals	—	—	5 000 (alone or with the other poly-sorbates)	Milk replacers only	Without a time limit
E 433	Polyoxyethylene (20)-sorbitan monooleate	—	All species or categories of animals	—	—	5 000 (alone or with the other poly-sorbates)	Milk replacers only	Without a time limit
E 434	Polyoxyethylene (20)-sorbitan monopalmitate	—	All species or categories of animals	—	—	5 000 (alone or with the other poly-sorbates)	Milk replacers only	Without a time limit
E 435	Polyoxyethylene (20)-sorbitan monostearate	—	All species or categories of animals	—	—	5 000 (alone or with the other poly-sorbates)	Milk replacers only	Without a time limit
E 436	Polyoxyethylene (20)-sorbitan tristearate	—	All species or categories of animals	—	—	5 000 (alone or with the other poly-sorbates)	Milk replacers only	Without a time limit
E 440	Pectins	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 450b (i)	Pentasodium triphosphate	—	Dogs	—	—	5 000	All feedingstuffs	Without a time limit
			Cats	—	—	5 000	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 460	Microcrystalline cellulose	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 460 (ii)	Cellulose powder	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 461	Methylcellulose	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 462	Ethylcellulose	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 463	Hydroxypropylcellulose	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 464	Hydroxypropylmethylcellulose	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 465	Ethylmethylcellulose	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 466	Carboxymethylcellulose (Sodium salt of carboxymethyl ether of cellulose)	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 470	Sodium, potassium and calcium salts of edible fatty acids, alone or in mixtures, derived either from edible fats or from distilled edible fatty acids	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 471	Mono- and di-glycerides of fatty acids	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 472	Mono- and di-glycerides of edible fatty acids esterified with the following acids: (a) acetic; (b) lactic; (c) citric; (d) tartaric; (e) mono- and diacetyltartaric	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 473	Sucrose esters of fatty acids (esters of saccharose and edible fatty acids)	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 474	Sucroglycerides (mixture of esters of saccharose and mono- and di-glycerides of edible fatty acids)	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 475	Polyglycerol esters of non-polymerised edible fatty acids	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 477	Mono-esters of propane-1,2-diol (propylene-glycol) and edible fatty acids, alone or in mixtures with diesters	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 480	Stearoyl 2-lactylic acid	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 481	Sodium stearoyl 2-lactylate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 482	Calcium stearoyl 2-lactylate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 483	Stearyl tartrate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 484	Glyceryl polyethyleneglycol ricinoleate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 486	Dextrans	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 487	Polyethyleneglycol ester of fatty acids from soya oil	—	Calves	—	—	6 000	Milk replacers only	Without a time limit
E 488	Polyoxyethylated glyceride of tallow fatty acids	—	Calves	—	—	5 000	Milk replacers only	Without a time limit
E 489	Ether of polyglycerol and of alcohols obtained by the reduction of oleic and palmitic acids	—	Calves	—	—	5 000	Milk replacers only	Without a time limit
E 490	Propane-1,2-diol	—	Dairy cows	—	—	12 000	All feedingstuffs	Without a time limit
			Cattle for fattening	—	—	36 000	All feedingstuffs	Without a time limit
			Calves	—	—	36 000	All feedingstuffs	Without a time limit
			Lambs	—	—	36 000	All feedingstuffs	Without a time limit
			Kids	—	—	36 000	All feedingstuffs	Without a time limit
			Pigs	—	—	36 000	All feedingstuffs	Without a time limit
			Poultry	—	—	36 000	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 491	Sorbitan monostearate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 492	Sorbitan tristearate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 493	Sorbitan monolaurate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 494	Sorbitan monooleate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 495	Sorbitan monopalmitate	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 496	Polyethyleneglycol 6 000	—	All species or categories of animals	—	—	300	All feedingstuffs	Without a time limit
E 497	Polyoxypropylene-polyoxyethylene polymers (M.W. 6 800-9 000)	—	All species or categories of animals	—	—	50	All feedingstuffs	Without a time limit
E 498	Partial polyglycerol esters of polycondensed fatty acids of castor oil	—	Dogs	—	—	—	All feedingstuffs	Without a time limit
E 499	Cassia gum	—	Dogs	—	—	17 600	Feedingstuffs with a moisture content exceeding 20 %	Without a time limit
			Cats	—	—	17 600	Feedingstuffs with a moisture content exceeding 20 %	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
<b>Colourants, including pigments</b>								
<b>1. Carotenoids and xanthophylls</b>								
E 160c	Capsanthin	C <sub>40</sub> H <sub>56</sub> O <sub>3</sub>	Poultry	—	—	80 (alone or with the other carotenoids and xanthophylls)	—	Without a time limit
E 160e	Beta-apo-8'-carotenal	C <sub>30</sub> H <sub>40</sub> O	Poultry	—	—	80 (alone or with the other carotenoids and xanthophylls)	—	Without a time limit
E 160f	Ethyl ester of beta-apo-8'-carotenoic acid	C <sub>32</sub> H <sub>44</sub> O <sub>2</sub>	Poultry	—	—	80 (alone or with the other carotenoids and xanthophylls)	—	Without a time limit
E 161b	Lutein	C <sub>40</sub> H <sub>56</sub> O <sub>2</sub>	Poultry	—	—	80 (alone or with the other carotenoids and xanthophylls)	—	Without a time limit
E 161c	Cryptoxanthin	C <sub>40</sub> H <sub>56</sub> O	Poultry	—	—	80 (alone or with the other carotenoids and xanthophylls)	—	Without a time limit



EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 161g	Canthaxanthin	C <sub>40</sub> H <sub>52</sub> O <sub>2</sub>	Poultry other than laying hens	—	—	25	The mixture of canthaxanthin with other carotenoids and xanthophylls is allowed provided that the total concentration of the mixture does not exceed 80 mg/kg in the complete feedingstuff.	Without a time limit
			Laying hens	—	—	8	The mixture of canthaxanthin with other carotenoids and xanthophylls is allowed provided that the total concentration of the mixture does not exceed 80 mg/kg in the complete feedingstuff.	Without a time limit
			Salmon, trout	—	—	25	Use permitted from the age of six months onwards. The mixture of canthaxanthin with astaxanthin is allowed provided that the total concentration of the mixture does not exceed 100 mg/kg in the complete feedingstuff.	Without a time limit
			Dogs, cats and ornamental fish	—	—	—	—	Without a time limit
E 161h	Zeaxanthin	C <sub>40</sub> H <sub>56</sub> O <sub>2</sub>	Poultry	—	—	80 (alone or with the other carotenoids and xanthophylls)	—	Without a time limit
E 161i	Citranaxanthin	C <sub>33</sub> H <sub>44</sub> O	Laying hens	—	—	80 (alone or with the other carotenoids and xanthophylls)	—	Without a time limit
E 161j	Astaxanthin	C <sub>40</sub> H <sub>52</sub> O <sub>4</sub>	Salmon, trout	—	—	100	Use only permitted from the age of six months onwards. The mixture of astaxanthin with canthaxanthin is allowed provided that the total concentration of the mixture does not exceed 100 mg/kg in the complete feedingstuff.	Without a time limit
			Ornamental fish	—	—	—	—	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
<b>2. Other colourants</b>								
E 102	Tartrazine	$C_{16}H_9N_4O_9S_2Na_3$	Ornamental fish	—	—	—	—	Without a time limit
E 110	Sunset yellow FCF	$C_{16}H_{10}N_2O_7S_2Na_2$	Ornamental fish	—	—	—	—	Without a time limit
E 124	Ponceau 4 R	$C_{20}H_{11}N_2O_{10}S_3Na_3$	Ornamental fish	—	—	—	—	Without a time limit
E 127	Erythrosine	$C_{20}H_6I_4O_5Na_2 \cdot H_2O$	Ornamental fish	—	—	—	—	Without a time limit
E 131	Patent blue V	Calcium salt of the disulphonic acid of m-hydroxytetraethylidiamino triphenylcarbinol anhydride	All species or categories of animals with the exception of dogs and cats	—	—	—	Permitted in animal feedingstuffs only in products processed from: (i) waste products of foodstuffs, (ii) denatured cereals or manioc flour, or (iii) other base substances denatured by means of these agents or coloured during technical preparation to ensure the necessary identification during manufacture.	Without a time limit
			Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 132	Indigotine	$C_{16}H_8N_2O_8S_2Na_2$	Ornamental fish	—	—	—	—	Without a time limit
E 141	Chlorophyll copper complex	—	Ornamental fish	—	—	—	—	Without a time limit
E 142	Acid brilliant green BS (Lissamine green)	Sodium salt of 4,4'-bis(dimethylamino) diphenylmethylene-2-naphthol-3,6-disulphonic acid	All species or categories of animals with the exception of dogs, cats and ornamental fish	—	—	—	Permitted in animal feedingstuffs only in products processed from: (i) waste products of foodstuffs, (ii) denatured cereals or manioc flour, or (iii) other base substances denatured by means of these agents or coloured during technical preparation to ensure the necessary identification during manufacture.	Without a time limit
			Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
			Ornamental fish	—	—	—	—	Without a time limit
E 153	Carbon black	C	Ornamental fish	—	—	—	—	Without a time limit
E 160b	Bixin	$C_{25}H_{30}O_4$	Ornamental fish	—	—	—	—	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 172	Iron oxide, red	Fe <sub>2</sub> O <sub>3</sub>	Ornamental fish	—	—	—	—	Without a time limit
	<b>3. Colouring agents authorised for colouring foodstuffs by Community rules, other than Patent blue V, Acid brilliant green BS, and Canthaxanthin</b>	—	All species or categories of animals with the exception of dogs and cats	—	—	—	Permitted in animal feedingstuffs only in products processed from: (i) waste products of foodstuffs, or (ii) other base substances, with the exception of cereals and manioc flour, denatured by means of these agents or coloured during technical preparation to ensure the necessary identification during manufacture.	Without a time limit
			Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
	<b>3.1 Canthaxanthin authorised for colouring foodstuffs by Community rules</b>	—	All species or categories of animals other than poultry, salmon, trout, dogs and cats	—	—	—	Permitted in animal feedingstuffs only in products processed from: (i) waste products of foodstuffs, or (ii) other base substances, with the exception of cereals and manioc flour, denatured by means of these agents or coloured during technical preparation to ensure the necessary identification during manufacture.	Without a time limit
			Dogs	—	—	—	—	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
			Cats	—	—	—	—	Without a time limit
			Poultry other than laying hens, salmon, trout,	—	—	25	Permitted in animal feedingstuffs only in products processed from: (i) waste products of foodstuffs, or (ii) other base substances, with the exception of cereals and manioc flour, denatured by means of these agents or coloured during technical preparation to ensure the necessary identification during manufacture.	Without a time limit
			Laying hens	—	—	8	Permitted in animal feedingstuffs only in products processed from: (i) waste products of foodstuffs, or (ii) other base substances, with the exception of cereals and manioc flour, denatured by means of these agents or coloured during technical preparation to ensure the necessary identification during manufacture.	Without a time limit

**Preservatives**

E 200	Sorbic acid	$C_6H_8O_2$	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 201	Sodium sorbate	$C_6H_7O_2Na$	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 202	Potassium sorbate	$C_6H_7O_2K$	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 203	Calcium sorbate	$C_{12}H_{14}O_4Ca$	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 214	Ethyl 4-hydroxybenzoate	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	Pets	—	—	—	All feedingstuffs	Without a time limit
E 215	Sodium ethyl 4-hydroxybenzoate	C <sub>9</sub> H <sub>9</sub> O <sub>3</sub> Na	Pets	—	—	—	All feedingstuffs	Without a time limit
E 216	Propyl 4-hydroxybenzoate	C <sub>10</sub> H <sub>12</sub> O <sub>3</sub>	Pets	—	—	—	All feedingstuffs	Without a time limit
E 217	Sodium propyl 4-hydroxybenzoate	C <sub>10</sub> H <sub>11</sub> O <sub>3</sub> Na	Pets	—	—	—	All feedingstuffs	Without a time limit
E 218	Methyl 4-hydroxybenzoate	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Pets	—	—	—	All feedingstuffs	Without a time limit
E 219	Sodium methyl 4-hydroxybenzoate	C <sub>8</sub> H <sub>7</sub> O <sub>3</sub> Na	Pets	—	—	—	All feedingstuffs	Without a time limit
E 222	Sodium bisulphite	NaHSO <sub>3</sub>	Dogs	—	—	Separately or together with E 223: 500 expressed as SO <sub>2</sub>	All feedingstuffs except unprocessed meat and fish	Without a time limit
			Cats	—	—	Separately or together with E 223: 500 expressed as SO <sub>2</sub>	All feedingstuffs except unprocessed meat and fish	Without a time limit
E 223	Sodium metabisulphite	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Dogs	—	—	Separately or together with E 222: 500 expressed as SO <sub>2</sub>	All feedingstuffs except unprocessed meat and fish	Without a time limit
			Cats	—	—	Separately or together with E 222: 500 expressed as SO <sub>2</sub>	All feedingstuffs except unprocessed meat and fish	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 236	Formic acid	CH <sub>2</sub> O <sub>2</sub>	All species or categories of animals	—	—	—	Instructions for use must include the following:  Formic acid must not be used, either alone or as a mixture with other acids where it forms more than 50 % by weight of the mixture, for the aerobic acid preservation of unprocessed cereals having a moisture content in excess of 15 %.	Without a time limit
E 237	Sodium formate	CHO <sub>2</sub> Na	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 238	Calcium formate	C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> Ca	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 240	Formaldehyde	CH <sub>2</sub> O	Pigs	Six months	—	—	Skimmed milk only: maximum content: 600 mg/kg	Without a time limit
			All species or categories of animals	—	—	—	For silage only	Without a time limit
E 250	Sodium nitrite	NaNO <sub>2</sub>	Dogs	—	—	100	Feedingstuffs with a moisture content exceeding 20 %	Without a time limit
			Cats	—	—	100	Feedingstuffs with a moisture content exceeding 20 %	Without a time limit
E 260	Acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 261	Potassium acetate	C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> K	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 262	Sodium diacetate	C <sub>4</sub> H <sub>7</sub> O <sub>4</sub> Na	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 263	Calcium acetate	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Ca	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 270	Lactic acid	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 280	Propionic acid	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 281	Sodium propionate	C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> Na	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 282	Calcium propionate	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> Ca	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 283	Potassium propionate	C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> K	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 284	Ammonium propionate	C <sub>3</sub> H <sub>9</sub> O <sub>2</sub> N	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 285	Methylpropionic acid	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ruminants, at the beginning of rumination	—	1 000	4 000	—	Without a time limit
E 295	Ammonium formate	CH <sub>5</sub> O <sub>2</sub> N	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 296	DL-Malic acid	C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 297	Fumaric acid	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 325	Sodium lactate	C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> Na	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 326	Potassium lactate	C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> K	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 327	Calcium lactate	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> Ca	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit



EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 330	Citric acid	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 331	Sodium citrates	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 332	Potassium citrates	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 333	Calcium citrates	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 334	L-tartaric acid	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 335	Sodium L-tartrates	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 336	Potassium L-tartrates	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 337	Potassium sodium L-tartrate	C <sub>4</sub> H <sub>4</sub> O <sub>6</sub> KNa . 4H <sub>2</sub> O	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 338	Orthophosphoric acid	H <sub>3</sub> PO <sub>4</sub>	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 490	Propane-1,2-diol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	Dogs	—	—	53 000	All feedingstuffs	Without a time limit
E 507	Hydrochloric acid	HCl	All species or categories of animals	—	—	—	For silage only	Without a time limit
E 513	Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	All species or categories of animals	—	—	—	For silage only	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Maximum content in/kg of complete feedingstuff or of the daily ration	Other provisions	End of period of authorisation
<b>Vitamins, provitamins and chemically well-defined substances having similar effect</b>							
E 672	1. Vitamin A	—	Chickens for fattening	—	13 500	All feedingstuffs except feedingstuffs for young animals	Without a time limit
			Ducks for fattening	—	13 500	All feedingstuffs except feedingstuffs for young animals	Without a time limit
			Turkeys for fattening	—	13 500	All feedingstuffs except feedingstuffs for young animals	Without a time limit
			Lambs for fattening	—	13 500	All feedingstuffs except feedingstuffs for young animals	Without a time limit
			Pigs for fattening	—	13 500	All feedingstuffs except feedingstuffs for young animals	Without a time limit
			Bovines for fattening	—	13 500	All feedingstuffs except feedingstuffs for young animals	Without a time limit
			Calves for fattening	—	25 000	Milk replacers only	Without a time limit
			Others species or categories of animals	—	—	All feedingstuffs	Without a time limit
E 670	2. Vitamin D Vitamin D <sub>2</sub>	—	Pigs	—	2 000	Simultaneous use of vitamin D <sub>3</sub> prohibited	Without a time limit
			Piglets	—	10 000	Milk replacers only. Simultaneous use of vitamin D <sub>3</sub> prohibited	Without a time limit
			Bovines	—	4 000	Simultaneous use of vitamin D <sub>3</sub> prohibited	Without a time limit
			Ovines	—	4 000	Simultaneous use of vitamin D <sub>3</sub> prohibited	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Maximum content in/kg of complete feedingstuff or of the daily ration	Other provisions	End of period of authorisation
			Calves	—	10 000	Milk replacers only. Simultaneous use of vitamin D <sub>3</sub> prohibited	Without a time limit
			Equines	—	4 000	Simultaneous use of vitamin D <sub>3</sub> prohibited	Without a time limit
			Other species or categories of animals with the exception of poultry and fish	—	2 000	Simultaneous use of vitamin D <sub>3</sub> prohibited	Without a time limit
E 671	Vitamin D <sub>3</sub>	—	Pigs	—	2 000	Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
			Piglets	—	10 000	Milk replacers only. Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
			Bovines	—	4 000	Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
			Ovines	—	4 000	Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
			Calves	—	10 000	Milk replacers only. Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
			Equines	—	4 000	Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
			Chickens for fattening	—	5 000	Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
			Turkeys	—	5 000	Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Maximum content in/kg of complete feedingstuff or of the daily ration	Other provisions	End of period of authorisation
			Other poultry	—	3 000	Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
			Fish	—	3 000	Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
			Other species or categories of animals	—	2 000	Simultaneous use of vitamin D <sub>2</sub> prohibited	Without a time limit
	3. All substances in the group except vitamins A and D	—	All species or categories of animals	—	—	All feedingstuffs	Without a time limit

EC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of complete feedingstuff	Other provisions	End of period of authorisation
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**Trace elements**

E 1	Iron — Fe	Ferrous carbonate	FeCO <sub>3</sub>	1 250 (total)	—	Without a time limit
		Ferrous chloride, tetrahydrate	FeCl <sub>2</sub> · 4H <sub>2</sub> O	1 250 (total)	—	Without a time limit
		Ferric chloride, hexahydrate	FeCl <sub>3</sub> · 6H <sub>2</sub> O	1 250 (total)	—	Without a time limit
		Ferrous citrate, hexahydrate	Fe <sub>3</sub> (C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> ) <sub>2</sub> · 6H <sub>2</sub> O	1 250 (total)	—	Without a time limit
		Ferrous fumarate	FeC <sub>4</sub> H <sub>2</sub> O <sub>4</sub>	1 250 (total)	—	Without a time limit
		Ferrous lactate, trihydrate	Fe(C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> ) <sub>2</sub> · 3H <sub>2</sub> O	1 250 (total)	—	Without a time limit
		Ferric oxide	Fe <sub>2</sub> O <sub>3</sub>	1 250 (total)	—	Without a time limit

EC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of complete feedingstuff	Other provisions	End of period of authorisation
		Ferrous sulphate, monohydrate	$\text{FeSO}_4\text{H}_2\text{O}$	1 250 (total)	Permitted: (i) in denatured skimmed-milk powder and in compound feedingstuffs manufactured from denatured skimmed-milk powder: — subject to the mandatory provisions of Commission Regulations (EEC) No 368/77 and (EEC) No 443/77, — declaration of the amount of iron added, expressed as the element, on the label or package or container of denatured skimmed-milk powder; (ii) in compound feedingstuffs other than those listed under (i).	Without a time limit
		Ferrous sulphate, heptahydrate	$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	1 250 (total)	Permitted: (i) in denatured skimmed-milk powder and in compound feedingstuffs manufactured from denatured skimmed-milk powder: — subject to the mandatory provisions of Commission Regulations (EEC) No 368/77 and (EEC) No 443/77, — declaration of the amount of iron added, expressed as the element, on the label or package or container of denatured skimmed-milk powder; (ii) in compound feedingstuffs other than those listed under (i).	Without a time limit

EC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of complete feedingstuff	Other provisions	End of period of authorisation
		Ferrous chelate of amino acids, hydrate	$\text{Fe}(x)_{1-3} \cdot n\text{H}_2\text{O}$ (x=anion of any amino acid derived from hydrolysed soya protein)  Molecular weight not exceeding 1 500	1 250 (total)	—	Without a time limit
E 2	Iodine — I	Calcium iodate, hexahydrate	$\text{Ca}(\text{IO}_3)_2 \cdot 6\text{H}_2\text{O}$	Equines: 4 (total) Fish: 20 (total) Other species or categories of animals: 10 (total)	—	Without a time limit
		Calcium iodate, anhydrous	$\text{Ca}(\text{IO}_3)_2$	Equines: 4 (total) Fish: 20 (total) Other species or categories of animals: 10 (total)	—	Without a time limit
		Sodium iodide	$\text{NaI}$	Equines: 4 (total) Fish: 20 (total) Other species or categories of animals: 10 (total)	—	Without a time limit
		Potassium iodide	$\text{KI}$	Equines: 4 (total) Fish: 20 (total) Other species or categories of animals: 10 (total)	—	Without a time limit
E 3	Cobalt — Co	Cobaltous acetate, tetrahydrate	$\text{Co}(\text{CH}_3\text{COO})_2 \cdot 4\text{H}_2\text{O}$	10 (total)	—	Without a time limit
		Basic cobaltous carbonate, monohydrate	$2\text{CoCO}_3 \cdot 3\text{Co}(\text{OH})_2 \cdot \text{H}_2\text{O}$	10 (total)	—	Without a time limit
		Cobaltous chloride, hexahydrate	$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	10 (total)	—	Without a time limit
		Cobaltous sulphate, heptahydrate	$\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$	10 (total)	—	Without a time limit
		Cobaltous sulphate, monohydrate	$\text{CoSO}_4 \cdot \text{H}_2\text{O}$	10 (total)	—	Without a time limit
		Cobaltous nitrate, hexahydrate	$\text{CO}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$	10 (total)	—	Without a time limit

EC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of complete feedingstuff	Other provisions	End of period of authorisation
E 4	Copper — Cu	Cupric acetate, monohydrate	$\text{Cu}(\text{CH}_3\text{COO})_2 \cdot \text{H}_2\text{O}$	Pigs for fattening: — in Member States where the mean density of the porcine population is equal to or higher than 175 pigs per 100 ha of utilisable agricultural land:	—	Without a time limit
		Basic cupric carbonate, monohydrate	$\text{CuCO}_3 \cdot \text{Cu}(\text{OH})_2 \cdot \text{H}_2\text{O}$	— up to 16 weeks: 175 (total), — from 17th week up to slaughter: 35 (total),	—	Without a time limit
		Cupric chloride, dihydrate	$\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$	— in Member States where the mean density of the porcine population is lower than 175 pigs per 100 ha of utilisable agricultural land:	—	Without a time limit
		Cupric methionate	$\text{Cu}(\text{C}_5\text{H}_{10}\text{NO}_2\text{S})_2$	— up to 16 weeks: 175 (total), — from 17th week up to six months: 100 (total), — over six months up to slaughter: 35 (total).	—	Without a time limit
		Cupric oxide	$\text{CuO}$		—	Without a time limit
		Cupric sulphate, pentahydrate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	Breeding pigs: 35 (total) Calves: — milk replacers 30 (total), — other complete feedingstuffs: 50 (total). Ovines: 15 (total) Other species or categories of animals: 35 (total).	—	Without a time limit

EC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of complete feedingstuff	Other provisions	End of period of authorisation
		Cupric sulphate, monohydrate	$\text{CuSO}_4 \cdot \text{H}_2\text{O}$	Pigs for fattening: — in Member States where the mean density of the porcine population is equal to or higher than 175 pigs per 100 ha of utilisable agricultural land:	Denatured skimmed milk powder and compound feedingstuffs manufactured from denatured skimmed milk powder: — subject to the relevant provisions of Commission Regulations (EEC) No 368/77 and (EEC) No 443/77, — declaration of the amount of copper added, expressed as the element, on the label or package or container of denatured skimmed milk powder.	Without a time limit
		Cupric sulphate, pentahydrate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	— up to 16 weeks: 175 (total), — from 17th week up to slaughter: 35 (total).  — in Member States where the mean density of the porcine population is lower than 175 pigs per 100 ha of utilisable agricultural land: — up to 16 weeks: 175 (total), — from 17th week up to six months: 100 (total), — over six months up to slaughter: 35 (total).  Breeding pigs: 35 (total).  Ovines: 15 (total).  Other species or categories of animals with the exception of calves: 35 (total).		



EC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of complete feedingstuff	Other provisions	End of period of authorisation
		Cupric chelate of amino acids hydrate	$\text{Cu (x)}_{1-3} \cdot \text{nH}_2\text{O}$ (x=anion of any amino acid derived from hydrolysed soya protein) Molecular weight not exceeding 1 500.	Pigs for fattening: — in Member States where the mean density of the porcine population is equal to or higher than 175 pigs per 100 ha of utilisable agricultural land: — up to 16 weeks: 175 (total), — from 17th week up to slaughter: 35 (total). — in Member States where the mean density of the porcine population is lower than 175 pigs per 100 ha of utilisable agricultural land: — up to 16 weeks: 175 (total), — from 17th week up to six months: 100 (total), — over six months up to slaughter: 35 (total). Breeding pigs: 35 (total). Other species or categories of animals, with the exception of calves prior to the start of rumination and sheep: 35 (total).	Not more than 20 mg/kg of copper in the complete feedingstuff may come from cupric chelate of amino acids hydrate	Without a time limit

EC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of complete feedingstuff	Other provisions	End of period of authorisation
E 5	Manganese — Mn	Manganous carbonate	MnCO <sub>3</sub>	250 (total)	—	Without a time limit
		Manganous chloride, tetrahydrate	MnCl <sub>2</sub> · 4H <sub>2</sub> O	250 (total)	—	Without a time limit
		Manganous hydrogen phosphate, trihydrate	MnHPO <sub>4</sub> · 3H <sub>2</sub> O	250 (total)	—	Without a time limit
		Manganous oxide	MnO	250 (total)	—	Without a time limit
		Manganic oxide	Mn <sub>2</sub> O <sub>3</sub>	250 (total)	—	Without a time limit
		Manganous sulphate, tetrahydrate	MnSO <sub>4</sub> · 4H <sub>2</sub> O	250 (total)	—	Without a time limit
		Manganous sulphate, monohydrate	MnSO <sub>4</sub> · H <sub>2</sub> O	250 (total)	—	Without a time limit
		Manganese chelate of amino acids hydrate	Mn (x) <sub>1-3</sub> · nH <sub>2</sub> O (x=anion of any amino acid derived from hydrolysed soya protein)  Molecular weight not exceeding 1 500.	250 (total)	Not more than 40 mg/kg of manganese in the complete feedingstuff may come from manganese chelate of amino acids hydrate	Without a time limit
		Manganomanganic oxide	MnO Mn <sub>2</sub> O <sub>3</sub>	150 (total)	—	Without a time limit

EC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of complete feedingstuff	Other provisions	End of period of authorisation
E 6	Zinc — Zn	Zinc lactate, trihydrate	$Zn(C_3H_5O_3)_2 \cdot 3H_2O$	250 (total)	—	Without a time limit
		Zinc acetate, dihydrate	$Zn(CH_3COO)_2 \cdot 2H_2O$	250 (total)	—	Without a time limit
		Zinc carbonate	$ZnCO_3$	250 (total)	—	Without a time limit
		Zinc chloride, monohydrate	$ZnCl_2 \cdot H_2O$	250 (total)	—	Without a time limit
		Zinc oxide	$ZnO$	250 (total)	Maximum content of lead: 600 mg/kg	Without a time limit
		Zinc sulphate, heptahydrate	$ZnSO_4 \cdot 7H_2O$	250 (total)	—	Without a time limit
		Zinc sulphate, monohydrate	$ZnSO_4 \cdot H_2O$	250 (total)	—	Without a time limit
		Zinc chelate of amino acids hydrate	$Zn (x)_{1-3} \cdot nH_2O$ (x=anion of any amino acid derived from hydrolysed soya protein) Molecular weight not exceeding 1 500.	250 (total)	Not more than 80 mg/kg of zinc in the complete feedingstuff may come from zinc chelate of amino acids hydrate	Without a time limit
E 7	Molybdenum — Mo	Ammonium molybdate	$(NH_4)_6Mo_7O_{24} \cdot 4H_2O$	2,5 (total)	—	Without a time limit
		Sodium molybdate	$Na_2MoO_4 \cdot 2H_2O$	2,5 (total)	—	Without a time limit
E 8	Selenium — Se	Sodium selenite	$Na_2SeO_3$	0,5 (total)	—	Without a time limit
		Sodium selenate	$Na_2SeO_4$	0,5 (total)	—	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
<b>Binders, anti-caking agents and coagulants</b>								
E 330	Citric acid	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	All species or categories of animals	—	—	—	All feedingstuffs. Compliance with the provisions of Article 16(1)(g)	Without a time limit
E 470	Sodium, potassium and calcium stearates	C <sub>18</sub> H <sub>35</sub> O <sub>2</sub> Na C <sub>18</sub> H <sub>35</sub> O <sub>2</sub> K C <sub>36</sub> H <sub>70</sub> O <sub>4</sub> Ca	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 516	Calcium sulphate, dihydrate	CaSO <sub>4</sub> · 2H <sub>2</sub> O	All species or categories of animals	—	—	30 000	All feedingstuffs	Without a time limit
E 551a	Silicic acid, precipitated and dried	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 551b	Colloidal silica	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 551c	Kieselgur (diatomaceous earth, purified)	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 552	Calcium silicate, synthetic	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 554	Sodium aluminosilicate, synthetic	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 558	Bentonite-montmorillonite	—	All species or categories of animals	—	—	20 000	All feedingstuffs.  Mixing with additives from the 'antibiotics', 'growth promoters', 'coccidiostats and other medical substances' groups is prohibited, except in the case of:  monensin-sodium, narasin, lasalocid-sodium, flavophospholipol, salinomycin sodium and robenidine.  Indication on the label of the specific name of the additive.	Without a time limit
E 559	Kaolinitic clays, free of asbestos	Naturally occurring mixtures of minerals containing at least 65 % complex hydrated aluminium silicates whose main constituent is kaolinite	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 560	Natural mixtures of steatites and chlorite	Natural mixtures of steatite and chlorite, free of asbestos: minimum purity of the mixtures 85 %	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 561	Vermiculite	Natural silicate of magnesium, aluminium and iron, expanded by heating, free of asbestos  Maximum fluorine content: 0,3 %	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 562	Sepiolite	Hydrated magnesium silicate of sedimentary origin, containing at least 60 % sepiolite and maximum 30 % montmorillonite, free of asbestos	All species or categories of animals	—	—	20 000	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 563	Sepiolitic clay	Hydrated magnesium silicate of sedimentary origin, containing at least 40 % sepiolite and 25 % illite, free of asbestos	All species or categories of animals	—	—	20 000	All feedingstuffs	Without a time limit
E 565	Lignosulphonates	—	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit
E 566	Natrolite-phonolite	Natural mixture of aluminium silicates, alkalines and alkaline-earth and aluminium hydrosilicates, natrolite (43 to 46,5 %) and feldspar	All species or categories of animals	—	—	25 000	All feedingstuffs	Without a time limit
E 598	Synthetic calcium aluminates	Mixture of calcium aluminates containing between 35 and 51 % of Al <sub>2</sub> O <sub>3</sub> Maximum molybdenum content: 20 mg/kg	Poultry	—	—	20 000	All feedingstuffs	Without a time limit
			Rabbits	—	—	20 000	All feedingstuffs	Without a time limit
			Pigs	—	—	20 000	All feedingstuffs	Without a time limit
			Dairy cows	—	—	8 000	All feedingstuffs	Without a time limit
			Cattle for fattening	—	—	8 000	All feedingstuffs	Without a time limit
			Calves	—	—	8 000	All feedingstuffs	Without a time limit
			Lambs	—	—	8 000	All feedingstuffs	Without a time limit
			Kids	—	—	8 000	All feedingstuffs	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 599	Perlite	Natural silicate of sodium and aluminium, expanded by heating, free of asbestos	All species or categories of animals	—	—	—	All feedingstuffs	Without a time limit

**Acidity regulators**

E 170	Calcium carbonate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
296	DL- and L-Malic acid	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
—	Ammonium dihydrogen orthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
—	Diammonium hydrogen orthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 339 (i)	Sodium dihydrogen orthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 339 (ii)	Disodium hydrogen orthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 339 (iii)	Trisodium orthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 340 (i)	Potassium dihydrogen orthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 340 (ii)	Dipotassium hydrogen orthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 340 (iii)	Tripotassium orthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 341 (i)	Calcium tetrahydrogen diorthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 341 (ii)	Calcium hydrogen orthophosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 350 (i)	Sodium malate (Salt of DL- or L-Malic Acid)	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit



EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 450a (i)	Disodium dihydrogen diphosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 450a (iii)	Tetrasodium diphosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 450a (iv)	Tetrapotassium diphosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 450b (i)	Pentasodium triphosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 450b (ii)	Pentapotassium triphosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 500 (i)	Sodium carbonate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 500 (ii)	Sodium hydrogen carbonate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 500 (iii)	Sodium sesquicarbonate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 501 (ii)	Potassium hydrogen carbonate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 503 (i)	Ammonium carbonate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 503 (ii)	Ammonium hydrogen carbonate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 507	Hydrochloric acid	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 510	Ammonium chloride	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 513	Sulphuric acid	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
E 524	Sodium hydroxide	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 525	Potassium hydroxide	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 526	Calcium hydroxide	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 529	Calcium oxide	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit
E 540	Dicalcium diphosphate	—	Dogs	—	—	—	—	Without a time limit
			Cats	—	—	—	—	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
<b>Enzymes</b>								
E 1600	3-Phytase EC 3.1.3.8	Preparation of 3-phytase produced by <i>Aspergillus niger</i> (CBS 114.94) having a minimum activity of:  Solid form: 5 000 FTU (³)/g  Liquid form: 5 000 FTU/ml	Piglets	Two months	500 FTU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kilogram of complete feedingstuff: 500 FTU.</li> <li>3. For use in compound feed containing more than 0,23 % phytin bound phosphorus.</li> </ol>	Without a time limit
			Pigs for fattening	—	280 FTU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kilogram of complete feedingstuff: 400-500 FTU.</li> <li>3. For use in compound feed containing more than 0,23 % phytin bound phosphorus.</li> </ol>	Without a time limit
			Sows	—	500 FTU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kilogram of complete feedingstuff: 500 FTU.</li> <li>3. For use in compound feed containing more than 0,36 % phytin bound phosphorus.</li> </ol>	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Chickens for fattening	—	375 FTU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kilogram of complete feedingstuff: 500-700 FTU.</li> <li>For use in compound feed containing more than 0,23 % phytin bound phosphorus.</li> </ol>	Without a time limit
			Laying hens	—	250 FTU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kilogram of complete feedingstuff: 300-400 FTU.</li> <li>For use in compound feed containing more than 0,23 % phytin bound phosphorus.</li> </ol>	Without a time limit
E 1601	Endo-1,3(4)-beta-glucanase EC 3.2.1.6  Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Aspergillus niger</i> (NRRL 25541) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 1 100 IU <sup>(4)</sup> /g  Endo-1,4-beta-xylanase: 1 600 IU <sup>(5)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 138 U  endo-1,4-beta-xylanase: 200 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kilogram of complete feedingstuff:                 endo-1,3(4)-beta-glucanase: 138 U                 endo-1,4-beta-xylanase: 200 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), for example mixed diet containing cereals (e.g. barley, wheat, rye, triticale).</li> </ol>	Without a time limit

EC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
<b>Micro-organisms</b>								
E 1700	<i>Bacillus licheniformis</i> (DSM 5749)  <i>Bacillus subtilis</i> (DSM 5750)  (In a 1/1 ratio)	Mixture of <i>Bacillus licheniformis</i> and <i>Bacillus subtilis</i> containing a minimum of  $3,2 \times 10^9$ CFU/g of the additive ( $1,6 \times 10^9$ CFU/g of each bacterium)	Piglets	Two months	$1,28 \times 10^9$	$3,2 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	Without a time limit
E 1701	<i>Bacillus cereus</i> var. <i>toyoi</i> NCIMB 40112/ CNCM I – 1012	Preparation of <i>Bacillus cereus</i> var. <i>toyoi</i> containing a minimum of $1 \times 10^{10}$ CFU/g additive	Piglets	2 months	$1 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture indicate the storage temperature, storage life and stability to pelleting.	Without a time limit
			Sows	from 1 week prior to farrowing until weaning	$0,5 \times 10^9$	$2 \times 10^9$	In the directions for use of the additive and premixture indicate the storage temperature, storage life and stability to pelleting.	Without a time limit
E 1702	<i>Saccharomyces cerevisiae</i> NCYC Sc 47	Preparation of <i>Saccharomyces cerevisiae</i> containing a minimum of $5 \times 10^9$ CFU/g additive	Cattle for fattening	—	$4 \times 10^9$	$8 \times 10^9$	In the directions for use of the additive and the premixture, indicate the storage temperature, storage life and stability to pelleting.  Indicate in the instructions for use: 'the quantity of <i>Saccharomyces cerevisiae</i> in the daily ration must not exceed $2,5 \times 10^9$ CFU for 100 kg of bodyweight and $0,5 \times 10^{10}$ CFU for each additional 100 kg of bodyweight'.	Without a time limit

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			

**Radionuclide binders****1. Radioactive caesium binders (<sup>137</sup>Cs and <sup>134</sup>Cs)**

1.1.	Ferric (III) ammonium hexacyanoferrate (II)	NH <sub>4</sub> Fe(III)[Fe(II)(CN) <sub>6</sub> ]	Ruminants (domestic and wild)	—	50	500	Indicate in the instructions for use:  'Only for limited geographical areas in case of contamination with radionuclides'.  'The quantity of ferric (III) ammonium hexacyanoferrate (II) in the daily ration must be between 10 mg and 150 mg for 10 kg of body weight'.	Without a time limit
			Calves prior to the start of rumination	—	50	500	Indicate in the instructions for use:  'Only for limited geographical areas in case of contamination with radionuclides'.  'The quantity of ferric (III) ammonium hexacyanoferrate (II) in the daily ration must be between 10 mg and 150 mg for 10 kg of body weight'.	Without a time limit
			Lambs prior to the start of rumination	—	50	500	Indicate in the instructions for use:  'Only for limited geographical areas in case of contamination with radionuclides'.  'The quantity of ferric (III) ammonium hexacyanoferrate (II) in the daily ration must be between 10 mg and 150 mg for 10 kg of body weight'.	Without a time limit

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			
			Kids prior to the start of rumination	—	50	500	Indicate in the instructions for use:  'Only for limited geographical areas in case of contamination with radionuclides'.  'The quantity of ferric (III) ammonium hexacyanoferrate (II) in the daily ration must be between 10 mg and 150 mg for 10 kg of body weight'.	Without a time limit
			Pigs (domestic and wild)	—	50	500	Indicate in the instructions for use:  'Only for limited geographical areas in case of contamination with radionuclides'.  'The quantity of ferric (III) ammonium hexacyanoferrate (II) in the daily ration must be between 10 mg and 150 mg for 10 kg of body weight'.	Without a time limit



CHAPTER IV: LIST OF OTHER ADDITIVES AUTHORISED ON A PROVISIONAL BASIS FOR NO LONGER THAN FOUR YEARS OR FIVE YEARS IN THE CASE OF ADDITIVES WHICH HAVE BEEN THE SUBJECT OF PROVISIONAL AUTHORISATION BEFORE 1 APRIL 1998

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			

Colourants, including pigments

1. Carotenoids and xanthophylls

E 160a	Beta-carotene	C <sub>40</sub> H <sub>56</sub>	Canaries	—	—	—	—	14.12.2003 (5)
E 161g	Canthaxanthin	C <sub>40</sub> H <sub>52</sub> O <sub>2</sub>	Pet and ornamental birds	—	—	—	—	14.12.2003 (5)
12	Astaxanthin-rich <i>Phaffia rhodozyma</i> (ATCC 74219)	Concentrated biomass of the yeast <i>Phaffia rhodozyma</i> (ATCC 74219), killed, containing at least 4,0 g astaxanthin per kilogram of additive and having a maximum ethoxyquin content of 2 000 mg/kg.	Salmon	—	—	100	The maximum content is expressed as astaxanthin. Use permitted only from the age of six months onwards. The mixture of the additive with canthaxanthin is allowed provided that the total concentration of astaxanthin and canthaxanthin does not exceed 100 mg/kg in the complete feedingstuff. Ethoxyquin content to be declared.	14.12.2003 (5)
			Trout	—	—	100	The maximum content is expressed as astaxanthin. Use permitted only from the age of six months onwards. The mixture of the additive with canthaxanthin is allowed provided that the total concentration of astaxanthin and canthaxanthin does not exceed 100 mg/kg in the complete feedingstuff. Ethoxyquin content to be declared.	14.12.2003 (5)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			

## 2. Other colourants

E 102	Tartrazine	$C_{16}H_9N_4O_9S_2Na_3$	Grain-eating ornamental birds	—	—	150	—	30.9.2004 <sup>(P)</sup>
			Small rodents	—	—	150	—	30.9.2004 <sup>(P)</sup>
E 110	Sunset yellow FCF	$C_{16}H_{10}N_2O_7S_2Na_2$	Grain-eating ornamental birds	—	—	150	—	30.9.2004 <sup>(P)</sup>
			Small rodents	—	—	150	—	30.9.2004 <sup>(P)</sup>
E 131	Patent blue V	Calcium salt of the disulphonic acid of m-hydroxytetraethylidiamino triphenylcarbinol anhydride	Grain-eating ornamental birds	—	—	150	—	30.9.2004 <sup>(P)</sup>
			Small rodents	—	—	150	—	30.9.2004 <sup>(P)</sup>
E 141	Chlorophyll copper complex	—	Grain-eating ornamental birds	—	—	150	—	30.9.2004 <sup>(P)</sup>
			Small rodents	—	—	150	—	30.9.2004 <sup>(P)</sup>

## Preservatives

1	Sodium benzoate: 140 g/kg Propionic acid: 370 g/kg Sodium propionate: 110 g/kg	<b>Additive composition:</b> Sodium benzoate: 140 g/kg Propionic acid: 370 g/kg Sodium propionate: 110 g/kg Water: 380 g/kg  <b>Active substance:</b> Sodium benzoate, $C_7H_5O_2Na$ Propionic acid, $C_3H_6O_2$ Sodium propionate, $C_3H_5O_2Na$	Pigs	—	3 000	22 000	For the preservation of grain having a moisture content in excess of 15 %.	1.8.2006 <sup>(W)</sup>
			Dairy cows	—	3 000	22 000	For the preservation of grain having a moisture content in excess of 15 %.	1.8.2006 <sup>(W)</sup>

No (or EC No)	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of complete feedingstuff	Other provisions	End of period of authorisation
<b>Trace elements</b>						
E4	Copper — Cu	Copper-lysine sulphate	Cu(C <sub>6</sub> H <sub>13</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>2</sub> · SO <sub>4</sub>	<p>Pigs for fattening:</p> <ul style="list-style-type: none"> <li>— in Member States where the mean density of the porcine population is equal to or higher than 175 pigs per 100 ha of utilisable agricultural land: <ul style="list-style-type: none"> <li>— up to 16 weeks: 175 (total)</li> </ul> </li> <li>— in Member States where the mean density of the porcine population is lower than 175 pigs per 100 ha of utilisable agricultural land: <ul style="list-style-type: none"> <li>— up to 16 weeks: 175 (total).</li> </ul> </li> </ul>	Not more than 50 mg/kg of copper in the complete feedingstuff may come from copper-lysine sulphate.	31.3.2004 <sup>(d)</sup>
				<p>Pigs for fattening:</p> <ul style="list-style-type: none"> <li>— in Member States where the mean density of the porcine population is equal to or higher than 175 pigs per 100 ha of utilisable agricultural land: <ul style="list-style-type: none"> <li>— from 17th week up to slaughter: 35 (total),</li> </ul> </li> <li>— in Member States where the mean density of the porcine population is lower than 175 pigs per 100 ha of utilisable agricultural land: <ul style="list-style-type: none"> <li>— from 17th week up to six months: 100 (total),</li> <li>— over six months up to slaughter: 35 (total).</li> </ul> </li> </ul> <p>Breeding pigs: 35 (total).</p> <p>Other species or categories of animals, with the exception of calves prior to the start of rumination and sheep: 35 (total).</p>	Not more than 25 mg/kg of copper in the complete feedingstuffs may come from copper-lysine sulphate.	31.3.2004 <sup>(d)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg/kg of complete feedingstuff			

**Binders, anti-caking agents and coagulants**

3	Clinoptilolite of volcanic origin	Calcium hydrated aluminosilicate of volcanic origin containing a minimum of 85 % of clinoptilolite and a maximum of 15 % of feldspar, micas and clays free of fibres and quartz  Maximum lead content: 80 mg/kg	Pigs	—	—	20 000	All feedingstuffs	21.4.2004 <sup>(e)</sup>
			Rabbits	—	—	20 000	All feedingstuffs	21.4.2004 <sup>(e)</sup>
			Poultry	—	—	20 000	All feedingstuffs	21.4.2004 <sup>(e)</sup>
4	Clinoptilolite of sedimentary origin	Hydrated calcium aluminosilicate of sedimentary origin containing at least 80 % clinoptilolite and a maximum 20 % of clay minerals, free of fibres and quartz	Pigs for fattening	—	—	20 000	All feedingstuffs	26.9.2004 <sup>(f)</sup>
			Chickens for fattening	—	—	20 000	All feedingstuffs	26.9.2004 <sup>(f)</sup>
			Turkeys for fattening	—	—	20 000	All feedingstuffs	26.9.2004 <sup>(f)</sup>
			Bovines	—	—	20 000	All feedingstuffs	26.9.2004 <sup>(f)</sup>
			Salmon	—	—	20 000	All feedingstuffs	26.9.2004 <sup>(f)</sup>
E 535	Sodium Ferrocyanide	$\text{Na}_4[\text{Fe}(\text{CN})_6] \cdot 10\text{H}_2\text{O}$	All species or categories of animals	—	—	—	Maximum content: 80 mg/kg NaCl (calculated as ferrocyanide anion)	1.3.2006 <sup>(g)</sup>
E 536	Potassium Ferrocyanide	$\text{K}_4[\text{Fe}(\text{CN})_6] \cdot 3\text{H}_2\text{O}$	All species or categories of animals	—	—	—	Maximum content: 80 mg/kg NaCl (calculated as ferrocyanide anion)	1.3.2006 <sup>(g)</sup>

**Acidity regulators**

E 210	Benzoic acid	$\text{C}_7\text{H}_6\text{O}_2$	Pigs for fattening	—	5 000	10 000	—	25.5.2007 <sup>(ad)</sup>
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No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
<b>Enzymes</b>								
1	3-Phytase EC 3.1.3.8	Preparation of 3-phytase produced by <i>Aspergillus niger</i> (CBS 114.94) having a minimum phytase activity of 5 000 FTU ( <sup>3</sup> )/g for solid and liquid preparations	Turkeys	—	125 FTU	—	<ol style="list-style-type: none"> <li>1. Indicate in the directions for use for the additive and the premixture the storage temperature, storage duration and stability on pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 200-800 FTU.</li> <li>3. For use in compound feedingstuffs with a minimum content of 0,3 % phytate, e.g. 20 % wheat.</li> </ol>	14.12.2003 (°)
2	3-Phytase EC 3.1.3.8	Preparation of 3-phytase produced by <i>Aspergillus oryzae</i> (DSM 10 289) having a minimum activity of: Coated form: 2 500 FYT ( <sup>7</sup> )/g Liquid form: 5 000 FYT/g	Piglets	Four months	250 FYT	1 000 FYT	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500 FYT.</li> <li>3. For use in compound feed rich in phytates, e.g. containing more than 40 % cereals (maize, barley, oats, wheat, rye, triticale), oilseeds and pulses.</li> </ol>	30.6.2004 (†)
			Pigs for fattening	—	400 FYT	1 000 FYT	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500 FYT</li> <li>3. For use in compound feed rich in phytates, e.g. containing more than 40 % cereals (maize, barley, oats, wheat, rye, triticale), oilseeds and pulses.</li> </ol>	30.6.2004 (†)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Chickens for fattening	—	200 FYT	1 000 FYT	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500 FYT.</li> <li>3. For use in compound feed rich in phytates, e.g. containing more than 40 % cereals (maize, barley, oats, wheat, rye, triticale), oilseeds and pulses.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Laying hens	—	500 FYT	1 000 FYT	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 750 FYT.</li> <li>3. For use in compound feed rich in phytates, e.g. containing more than 40 % cereals (maize, barley, oats, wheat, rye, triticale), oilseeds and pulses.</li> </ol>	30.6.2004 <sup>(g)</sup>
3	Alpha-galactosidase EC 3.2.1.22	Preparation of alpha-galactosidase produced by <i>Aspergillus oryzae</i> (DSM 10 286) having a minimum activity of:  Liquid form: 1 000 GALU <sup>(g)</sup> /g	Chickens for fattening	—	300 GALU	1 000 GALU	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 450 GALU.</li> <li>3. For use in compound feed rich in oligosaccharides, e.g. containing more than 25 % soy meal, cotton seed cakes, peas.</li> </ol>	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
4	Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Aspergillus aculeatus</i> (CBS 589.94) having a minimum activity of:  Coated form: 50 FBG <sup>(9)</sup> /g Liquid form: 120 FBG/ml	Piglets	Four months	25 FBG	40 FBG	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 25 FBG.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 50 % maize or barley.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Chickens for fattening	—	10 FBG	100 FBG	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 20 FBG.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 60 % maize.</li> </ol>	1.4.2004 <sup>(f)</sup>
5	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Aspergillus oryzae</i> (DSM 10287) having a minimum activity of:  Coated form: 1 000 FXU <sup>(10)</sup> /g Liquid form: 650 FXU/ml	Chickens for fattening	—	80 FXU	200 FXU	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 150 FXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 50 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Turkeys for fattening	—	225 FXU	600 FXU	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 225-600 FXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 50 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Piglets	Four months	200 FXU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 200 FXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 50 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
6	Endo-1,4-beta-xylanase EC 3.2.1.8 Endo-1,4-beta-glucanase EC 3.2.1.4	Preparation of endo-1,4-beta-xylanase and endo-1,4-beta-glucanase produced by <i>Humicola insolens</i> (DSM 10442) having a minimum activity of: Coated form: 800 FXU <sup>(11)</sup> /g 75 FBG <sup>(9)</sup> /g Microgranulated form: 800 FXU/g 75 FBG/g Liquid form: 550 FXU/ml 50 FBG/ml	Chickens for fattening	—	200 FXU 19 FBG	1 000 FXU 94 FBG	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 400 FXU 38 FBG.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta- glucans), e.g. containing more than 30 % barley and/or oats, wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>



No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Piglets	Four months	240 FXU 22 FBG	1 000 FXU 94 FBG	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 400 FXU 38 FBG.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % barley and/or oats, wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Pigs for fattening	—	200 FXU 19 FBG	800 FXU 75 FBG	<ol style="list-style-type: none"> <li>1. In the conditions of use of the additive and premixture, indicate the storage temperature, storage life, and the stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 400 FXU 38 FBG.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % barley, and/or oats, wheat.</li> </ol>	30.6.2004 <sup>(h)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
7	Endo-1,4-beta-xylanase EC 3.2.1.8 Endo-1,4-beta-glucanase EC 3.2.1.4	Preparation of endo-1,4-beta-xylanase and endo-1,4-beta-glucanase produced by <i>Aspergillus niger</i> (CBS 600.94) having a minimum activity of: Coated form: 36 000 FXU <sup>(12)</sup> /g 15 000 BGU <sup>(13)</sup> /g Liquid form: 36 000 FXU/g 15 000 BGU/g	Chickens for fattening	—	3 600 FXU 1 500 BGU	12 000 FXU 5 000 BGU	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 3 600-6 000 FXU 1 500-2 500 BGU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 35 % barley and 20 % wheat.</li> </ol>	1.4.2004 <sup>(1)</sup>
			Piglets	Four months	6 000 FXU 2 500 BGU	— —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 6 000 FXU 2 500 BGU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % wheat and 30 % barley.</li> </ol>	1.4.2004 <sup>(1)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Turkeys for fattening	—	6 000 FXU 2 500 BGU	12 000 FXU 5 000 BGU	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 6 000-12 000 FXU 2 500-5 000 BGU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % wheat.</li> </ol>	1.4.2004 <sup>(1)</sup>
			Laying hens	—	12 000 FXU 5 000 BGU	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 12 000 FXU 5 000 BGU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 20 % wheat, 10 % barley and 20 % sunflower.</li> </ol>	1.4.2004 <sup>(1)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
		Preparation of endo-1,4-beta-xylanase and endo-1,4-beta-glucanase produced by <i>Aspergillus niger</i> (CBS 600.94) having a minimum activity of: Solid form: 36 000 FXU <sup>(12)</sup> /g 15 000 BGU <sup>(13)</sup> /g	Chickens for fattening	—	3 600 FXU 1 500 BGU	12 000 FXU 5 000 BGU	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 3 600-6 000 FXU 1 500-2 500 BGU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 35 % barley and 20 % wheat.</li> </ol>	30.9.2004 <sup>(P)</sup>
			Piglets	Four months	6 000 FXU 2 500 BGU	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 6 000 FXU 2 500 BGU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % wheat and 30 % barley.</li> </ol>	30.9.2004 <sup>(P)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Turkeys for fattening	—	6 000 FXU 2 500 BGU	12 000 FXU 5 000 BGU	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 6 000-12 000 FXU 2 500-5 000 BGU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % wheat.</li> </ol>	30.9.2004 (P)
			Laying hens	—	12 000 FXU 5 000 BGU	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 12 000 FXU 5 000 BGU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 20 % wheat, 10 % barley and 20 % sunflower.</li> </ol>	30.9.2004 (P)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
8	Endo-1,4-beta-glucanase EC 3.2.1.4 Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Aspergillus niger</i> (CBS 600.94) having a minimum activity of: Coated form: 10 000 BGU (1 <sup>3</sup> )/g 4 000 FXU (1 <sup>2</sup> )/g Liquid form: 20 000 BGU/g 8 000 FXU/g	Chickens for fattening	—	3 000 BGU 1 200 FXU	10 000 BGU 4 000 FXU	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 3 000-10 000 BGU 1 200-4 000 FXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 60 % barley.</li> </ol>	1.4.2004 (†)
			Piglets	Four months	3 000 BGU 1 200 FXU	5 000 BGU 2 000 FXU	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 3 000-5 000 BGU 1 200-2 000 FXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 30 % barley.</li> </ol>	1.4.2004 (†)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Laying hens	—	5 000 BGU 2 000 FXU	— —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 5 000 BGU 2 000 FXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 60 % barley.</li> </ol>	1.4.2004 (4)
		Preparation of endo-1,4-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Aspergillus niger</i> (CBS 600.94) having a minimum activity of:  Solid form: 20 000 BGU (13)/g 8 000 FXU (12)/g	Chickens for fattening	—	3 000 BGU 1 200 FXU	10 000 BGU 4 000 FXU	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 3 000-10 000 BGU 1 200-4 000 FXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 60 % barley.</li> </ol>	30.9.2004 (P)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Piglets	Four months	3 000 BGU 1 200 FXU	5 000 BGU 2 000 FXU	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 3 000-5 000 BGU 1 200-2 000 FXU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 30 % barley.</li> </ol>	30.9.2004 (P)
			Laying hens	—	5 000 BGU 2 000 FXU	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 5 000 BGU 2 000 FXU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 60 % barley.</li> </ol>	30.9.2004 (P)



No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
9	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Aspergillus niger</i> (CBS 270.95) having a minimum activity of: Solid form: 28 000 EXU ( <sup>14</sup> )/g Liquid form: 14 000 EXU/ml	Chickens for fattening	—	1 400 EXU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 1 400 EXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 50 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Laying hens	—	2 400 EXU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 2 400-7 400 EXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans) e.g. containing more than 30 % wheat and 30 % rye.</li> </ol>	1.4.2004 <sup>(f)</sup>
			Turkeys for fattening	—	2 400 EXU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 2 400-5 600 EXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans) e.g. containing more than 30 % wheat and 30 % rye.</li> </ol>	1.4.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
10	Alpha-amylase EC 3.2.1.1	Preparation of alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (CBS 360.94) having a minimum activity of: Solid form: 45 000 RAU <sup>(15)</sup> /g Liquid form: 20 000 RAU/ml	Piglets	Four months	1 800 RAU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 800 RAU.</li> <li>3. For use, exclusively, in compound feed destined for liquid feeding systems, and containing starch-rich feed materials (e.g. containing more than 35 % wheat).</li> </ol>	30.6.2004 <sup>(f)</sup>
			Pigs for fattening	—	1 800 RAU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 800 RAU.</li> <li>3. For use, exclusively, in compound feed destined for liquid feeding systems, and containing starch-rich feed materials (e.g. containing more than 35 % wheat).</li> </ol>	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Sows	—	1 800 RAU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 1 800 RAU.</li> <li>For use, exclusively, in compound feed destined for liquid feeding systems, and containing starch-rich feed materials (e.g. containing more than 35 % wheat).</li> </ol>	30.6.2004 <sup>(f)</sup>
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	Preparation of endo-1,4-beta-glucanase, endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 74 252) having a minimum activity of: Liquid form: Endo-1,4-beta-glucanase: 8 000 U <sup>(16)</sup> /ml Endo-1,3(4)-beta-glucanase: 18 000 U <sup>(17)</sup> /ml Endo-1,4-beta-xylanase: 26 000 U <sup>(18)</sup> /ml	Chickens for fattening	—	endo-1,4-beta-glucanase: 400 U endo-1,3(4)-beta-glucanase: 900 U endo-1,4-beta-xylanase: 1 300 U	— — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff:            endo-1,4-beta-glucanase: 400-1 600 U            endo-1,3(4)-beta-glucanase: 900-3 600 U            endo-1,4-beta-xylanase: 1 300-5 200 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % wheat or barley and more than 10 % rye.</li> </ol>	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
		Preparation of endo-1,4-beta-glucanase, endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 74 252) having a minimum activity of:  Granular form: Endo-1,4-beta-glucanase: 8 000 U <sup>(16)</sup> /g Endo-1,3(4)-beta-glucanase: 18 000 U <sup>(17)</sup> /g Endo-1,4-beta-xylanase: 26 000 U <sup>(18)</sup> /g	Chickens for fattening	—	endo-1,4-beta-glucanase: 400 U endo-1,3(4)-beta-glucanase: 900 U endo-1,4-beta-xylanase: 1 300 U	— — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff: endo-1,4-beta-glucanase: 400-1 600 U endo-1,3(4)-beta-glucanase: 900-3 600 U endo-1,3(4)-beta-glucanase: 900-3 600 U endo-1,4-beta-xylanase: 1 300-5 200 U.  3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % wheat or barley and more than 10 % rye.	31.5.2005 <sup>(1)</sup>
		Preparation of endo-1,4-beta-glucanase, endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 74 252) having a minimum activity of:  Liquid and granular form: Endo-1,4-beta-glucanase: 8 000 U <sup>(16)</sup> /ml or g Endo-1,3(4)-beta-glucanase: 18 000 U <sup>(17)</sup> /ml or g Endo-1,4-beta-xylanase: 26 000 U <sup>(18)</sup> /ml or g	Turkeys for fattening	—	endo-1,4-beta-glucanase: 400 U endo-1,3(4)-beta-glucanase: 900 U endo-1,4-beta-xylanase: 1 300 U	— — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff: endo-1,4-beta-glucanase: 400 - 800 U endo-1,3(4)-beta-glucanase: 900 - 1 800 U endo-1,4-beta-xylanase: 1 300 - 2 600 U.  3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % wheat.	31.5.2005 <sup>(1)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Laying hens	—	endo-1,4-beta-glucanase: 400 U endo-1,3(4)-beta-glucanase: 900 U endo-1,4-beta-xylanase: 1 300 U	— — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dosages per kg of complete feedingstuff: endo-1,4-beta-glucanase: 400-1 280 U endo-1,3(4)-beta-glucanase: 900-2 880 U endo-1, 4-beta-xylanase: 1 300-4 160 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % wheat, triticale or barley.</li> </ol>	1.1.2007 (*)
			Piglets	—	endo-1,4-beta-glucanase: 400 U endo-1,3(4)-beta-glucanase: 900 U endo-1,4-beta-xylanase: 1 300 U	— — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dosages per kg of complete feedingstuff: endo-1,4-beta-glucanase: 400-1 600 U endo-1,3(4)-beta-glucanase: 900-3 600 U endo-1, 4-beta-xylanase: 1 300-5 200 U</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % wheat, triticale or maize or wheat and 20 % rye.</li> </ol>	1.1.2007 (*)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
12	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	Preparation of endo-1,4-beta-glucanase, endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Trichoderma viride</i> (FERM BP-4447) having a minimum activity of:  Endo-1,4-beta-glucanase: 8 000 U <sup>(16)</sup> /g  Endo-1,3(4)-beta-glucanase: 18 000 U <sup>(17)</sup> /g  Endo-1,4-beta-xylanase: 26 000 U <sup>(18)</sup> /g	Chickens for fattening	—	endo-1,4-beta-glucanase: 200 U endo-1,3(4)-beta-glucanase: 450 U endo-1,4-beta-xylanase: 650 U	— — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff: endo-1,4-beta-glucanase: 800-1 200 U endo-1,3(4)-beta-glucanase: 1 800-2 700 U endo-1,4-beta-xylanase: 2 600-3 900 U.  3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 20 % wheat and 20 % barley, and/or 25 % rye.	30.6.2004 <sup>(f)</sup>
			Laying hens	—	endo-1,4-beta-glucanase: 640 U endo-1,3(4)-beta-glucanase: 1 440 U endo-1,4-beta-xylanase: 2 080 U	— — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff: endo-1,4-beta-glucanase: 640-1 280 U endo-1,3(4)-beta-glucanase: 1 440-2 880 U endo-1,4-beta-xylanase: 2 080-4 160 U.  3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 20 % wheat and 20 % barley and/or 25 % rye.	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Turkeys for fattening	—	endo-1,4-beta- glucanase: 800 U endo-1,3(4)-beta- glucanase: 1 800 U endo-1,4-beta- xylanase: 2 600 U	— — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-glucanase: 800-1 200 U endo-1,3(4)-beta-glucanase: 1 800-2 700 U endo-1,4-beta-xylanase: 2 600-3 900 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 20 % wheat and 20 % barley.</li> </ol>	30.6.2004 (f)
13	Endo-1,3(4)-beta- glucanase EC 3.2.1.6 Endo-1,4-beta- xylanase EC 3.2.1.8	Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (CBS 357.94) having a minimum activity of: Powder form: 8 000 BGU (19)/g 11 000 EXU (20)/g Granulated form: 6 000 BGU/g 8 250 EXU/g Liquid form: 2 000 BGU/ml 2 750 EXU/ml	Chickens for fattening	—	100 BGU 130 EXU	— —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 100 BGU 130 EXU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 30 % wheat and 30 % barley, or 20 % rye.</li> </ol>	30.6.2004 (f)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Laying hens	—	600 BGU 800 EXU	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 600 BGU 800 EXU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % wheat and more than 30 % barley.</li> </ol>	1.4.2004 <sup>(1)</sup>
			Turkeys for fattening	—	600 BGU 800 EXU	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 600 BGU 800 EXU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % wheat or more than 30 % rye.</li> </ol>	1.4.2004 <sup>(1)</sup>



No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
14	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Aspergillus niger</i> (CBS 520.94) having a minimum activity of:  Solid form: Endo-1,4-beta-xylanase: 600 U <sup>(21)</sup> /g  Liquid form: Endo-1,4-beta-xylanase: 300 U/ml	Chickens for fattening	—	endo-1,4-beta-xylanase: 300 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 300-600 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 50 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
15	Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma viride</i> (CBS 517.94) having a minimum activity of:  Solid form: Endo-1,3(4)-beta-glucanase: 650 U <sup>(22)</sup> /g  Liquid form: Endo-1,3(4)-beta-glucanase: 325 U/ml	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 325 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 325-650 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 50 % barley.</li> </ol>	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
16	Endo-1,4-beta-glucanase EC 3.2.1.4	Preparation of endo-1,4-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 142) having a minimum activity of:  Liquid form: 2 000 CU <sup>(23)</sup> /ml	Chickens for fattening	—	250 CU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 CU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Laying hens	—	250 CU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 CU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Piglets	Four months	250 CU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. 500-1 000 CU.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 CU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	30.6.2004 (f)
			Pigs for fattening	—	250 CU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 CU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	30.6.2004 (f)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
		Preparation of endo-1,4-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 142) having a minimum activity of: Solid form: 2 000 CU (2 <sup>3</sup> )/g	Chickens for fattening	—	250 CU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 CU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	17.7.2004 <sup>(m)</sup>
			Laying hens	—	250 CU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 CU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	17.7.2004 <sup>(m)</sup>
			Piglets	Four months	250 CU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 CU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	17.7.2004 <sup>(m)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Pigs for fattening	—	250 CU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 CU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	17.7.2004 <sup>(m)</sup>
17	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135) having a minimum activity of:  Liquid form: 6 000 EPU <sup>(24)</sup> /ml	Chickens for fattening	—	750 EPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Laying hens	—	750 EPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	30.6.2004 <sup>(p)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Piglets	Four months	750 EPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Pigs for fattening	—	750 EPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
		Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135) having a minimum activity of: Solid form: 6 000 EPU <sup>(24)</sup> /g	Chickens for fattening	—	750 EPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	17.7.2004 <sup>(m)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Laying hens	—	750 EPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	17.7.2004 <sup>(m)</sup>
			Piglets	Four months	750 EPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	17.7.2004 <sup>(m)</sup>
			Pigs for fattening	—	750 EPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	17.7.2004 <sup>(m)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Turkeys for fattening	—	750 EPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 500-3 000 EPU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 35 % wheat.</li> </ol>	17.7.2004 <sup>(m)</sup>
18	Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Aspergillus niger</i> (MUCL 39199) having a minimum activity of: Solid form: 2 000 AGL <sup>(25)</sup> /g Liquid form: 500 AGL/ml	Chickens for fattening	—	100 AGL	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 100 AGL.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 40 % barley and 20 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
19	Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Aspergillus niger</i> (MUCL 39199) having a minimum activity of: Solid form: 1 500 AGL <sup>(25)</sup> /g Liquid form: 200 AGL/g	Chickens for fattening	—	25 AGL	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 25-100 AGL.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 50 % barley.</li> </ol>	30.6.2004 <sup>(f)</sup>



No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
20	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (MUCL 39203) having a minimum activity of: Solid form: 2 000 AXC <sup>(26)</sup> /g Liquid form: 500 AXC/ml	Chickens for fattening	—	100 AXC	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 100 AXC.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat or rye.</li> </ol>	30.6.2004 <sup>(f)</sup>
21	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (MUCL 39203) having a minimum activity of: Solid form: 1 500 AXC <sup>(26)</sup> /g Liquid form: 200 AXC/g	Chickens for fattening	—	25 AXC	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 25-100 AXC.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 50 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
22	Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (CNCM MA 6-10 W) having a minimum activity of: Solid form: 70 000 BGN <sup>(27)</sup> /g Liquid form: 14 000 BGN/ml	Chickens for fattening	—	1 050 BGN	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 2 800 BGN.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 50 % barley.</li> </ol>	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
23	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (CNCM MA 6-10 W) having a minimum activity of: Solid form: 70 000 IFP <sup>(28)</sup> /g Liquid form: 7 000 IFP/ml	Chickens for fattening	—	1 050 IFP	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 400 IFP.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 56 % wheat.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Turkeys for fattening	—	700 IFP	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 1 400 IFP.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	28.2.2005 <sup>(g)</sup>
			Laying hens	—	840 IFP	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 840 IFP.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	28.2.2005 <sup>(g)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
24	Endo-1,4-beta-xylanase EC 3.2.1.8 Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase produced by <i>Aspergillus niger</i> (CNCM I-1517) having a minimum activity of: 28 000 QXU <sup>(29)</sup> /g 140 000 QGU <sup>(30)</sup> /g	Chickens for fattening	—	420 QXU 2 100 QGU	1 120 QXU 5 600 QGU	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 560 QXU 2 800 QGU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % wheat and 30 % barley.</li> </ol>	30.6.2004 <sup>(f)</sup>
			Laying hens	—	560 QXU 2 800 QGU	— —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 560 QXU 2 800 QGU</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 20 % wheat and/or barley.</li> </ol>	1.10.2006 <sup>(g)</sup>
			Turkeys for fattening	—	280 QXU 1 460 QGU	840 QXU 4 200 QGU	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 560 QXU 2 800 QGU</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 20 % wheat and/or barley.</li> </ol>	28.2.2007 <sup>(ab)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
25	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Aspergillus niger</i> (NRRL 25541) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 1 100 U <sup>(31)</sup> /g Endo-1,4-beta-xylanase: 1 600 U <sup>(32)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 138 U endo-1,4-beta-xylanase: 200 U	— —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 138 U endo-1,4-beta-xylanase: 200 U. 3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 50 % barley or 30 % wheat and 30 % maize.	30.6.2004 <sup>(f)</sup>
			Laying hens	—	endo-1,3(4) -beta-glucanase: 138 U endo-1,4-beta-xylanase: 200 U	— —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 138 U endo-1,4-beta-xylanase: 200 U. 3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 50 % barley or 30 % wheat and 30 % maize.	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
26	Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma reesei</i> (CBS 526.94) having a minimum activity of:  Solid form: 350 000 BU <sup>(33)</sup> /g Liquid form: 50 000 BU/g	Chickens for fattening	—	23 000 BU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 23 000-50 000 BU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly glucans), e.g. containing more than 20 % barley or 30 % rye.</li> </ol>	30.6.2004 <sup>(i)</sup>
			Piglets	Four months	26 000 BU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 26 000-35 000 BU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly glucans), e.g. containing more than 60 % barley or wheat.</li> </ol>	30.6.2004 <sup>(i)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
27	Endo-1,4-beta-xylanase EC 3.2.1.8 Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma reesei</i> (CBS 529.94) and endo-1,3(4)-beta-glucanase produced by <i>Trichoderma reesei</i> (CBS 526.94) having minimum activities of: Solid form: 200 000 BXU <sup>(34)</sup> /g 200 000 BU <sup>(33)</sup> /g Liquid form: 30 000 BXU/g 30 000 BU/g	Chickens for fattening	—	2 500 BXU 2 500 BU	—	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: 10 000 BXU 10 000 BU. 3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and glucans), e.g. containing more than 40 % wheat or 30 % rye.	30.6.2004 <sup>(i)</sup>
			Piglets	Two months	7 500 BXU 7 500 BU	— —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: 7 500-15 000 BXU 7 500-15 000 BU. 3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 50 % wheat.	28.2.2005 <sup>(ii)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
28	3-Phytase EC 3.1.3.8	Preparation of 3-phytase produced by <i>Trichoderma reesei</i> (CBS 528.94) having a minimum activity of: Solid form: 5 000 PPU <sup>(35)</sup> /g Liquid form: 1 000 PPU/g	Piglets	Four months	250 PPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-750 PPU.</li> <li>3. For use in compound feed rich in phytates, e.g. containing more than 50 % cereals (corn, barley, wheat), tapioca, oilseeds and pulses.</li> </ol>	30.6.2004 <sup>(i)</sup>
			Pigs for fattening	—	500 PPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-750 PPU.</li> <li>3. For use in compound feed rich in phytates, e.g. containing more than 50 % cereals (corn, barley, wheat), tapioca, oilseeds and pulses.</li> </ol>	30.6.2004 <sup>(i)</sup>
			Chickens for fattening	—	500 PPU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-750 PPU.</li> <li>3. For use in compound feed containing more than 0,22 % phytin bound phosphorus.</li> </ol>	28.2.2005 <sup>(q)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
29	Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Geosmithia emersonii</i> (IMI SD 133) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 5 500 U <sup>(36)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 250 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 250 U.</li> <li>For use in compound feed rich in non-starch polysaccharides, (mainly beta-glucans), e.g. containing more than 50 % barley.</li> </ol>	30.6.2004 <sup>(6)</sup>
30	Endo-1,3(4)-beta-glucanase EC 3.2.1.6  Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Penicillium funiculosum</i> (IMI SD 101) having a minimum activity of:  Powder form:  Endo-1,3(4)-beta-glucanase: 2 000 U <sup>(37)</sup> /g  Endo-1,4-beta-xylanase: 1 400 U <sup>(38)</sup> /g  Liquid form:  Endo-1,3(4)-beta-glucanase: 500 U/ml  Endo-1,4-beta-xylanase: 350 U/ml	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 100 U  endo-1,4-beta-xylanase: 70 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 100 U endo-1,4-beta-xylanase: 70 U.</li> <li>For use in compound feed rich in non-starch polysaccharides, (mainly beta-glucans and arabinoxylans), e.g. containing more than 50 % barley or 60 % wheat.</li> </ol>	30.6.2004 <sup>(6)</sup>



No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Turkeys for fattening	—	endo-1,3(4)-beta- glucanase: 100 U endo-1,4-beta- xylanase: 70 U	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 100 U endo-1,4-beta-xylanase: 70 U.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 50 % wheat.</li> </ol>	28.2.2005 <sup>(9)</sup>
			Laying hens	—	endo-1,3(4)-beta- glucanase: 100 U endo-1,4-beta- xylanase: 70 U	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 100 U endo-1,4-beta-xylanase: 70 U.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 60 % barley or 30 % wheat.</li> </ol>	28.2.2005 <sup>(9)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Pigs for fattening	—	endo-1,3(4)-beta- glucanase: 100 U endo-1,4- beta- xylanase: 70 U	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 100 U endo-1,4-beta-xylanase: 70 U.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 50 % barley or 60 % wheat.</li> </ol>	28.2.2005 <sup>(9)</sup>
31	Endo-1,4-beta- xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (CBS 614.94) having a minimum activity of: Solid form: 300 EU <sup>(39)</sup> /g Liquid form: 1 000 EU/g	Chickens for fattening	—	600 EU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 600 EU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 60 % wheat.</li> </ol>	30.6.2004 <sup>(8)</sup>
			Laying hens	—	300 EU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 600 EU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 60 % wheat.</li> </ol>	30.6.2004 <sup>(8)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
32	Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 200 U <sup>(22)</sup> /ml	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 100 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 100 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 30 % barley.</li> </ol>	30.6.2004 <sup>(h)</sup>
		Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 1 200 U <sup>(22)</sup> /ml	Piglets	Four months	endo-1,3(4)-beta-glucanase: 400 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 400 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 55 % barley.</li> </ol>	30.6.2004 <sup>(h)</sup>
		Pigs for fattening	—	endo-1,3(4)-beta-glucanase: 500 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 500 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans), e.g. containing more than 70 % barley.</li> </ol>	30.6.2004 <sup>(h)</sup>	

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
33	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) having a minimum activity of: Powder form: Endo-1,4-beta-xylanase: 2 000 U <sup>(40)</sup> /g Liquid form: Endo-1,4-beta-xylanase: 5 000 U/ ml	Chickens for fattening	—	endo-1,4-beta-xylanase: 500 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 500-2 500 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 55 % wheat or 60 % rye.</li> </ol>	30.6.2004 <sup>(h)</sup>
			Laying hens	—	endo-1,4-beta-xylanase: 2 000 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 2 000 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 35 % wheat.</li> </ol>	30.6.2004 <sup>(h)</sup>
		Piglets	Four months	endo-1,4-beta-xylanase: 5 000 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 5 000 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 45 % wheat.</li> </ol>	30.6.2004 <sup>(h)</sup>	

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
		Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) having a minimum activity of: Powder form: Endo-1,4-beta-xylanase: 4 000 U <sup>(40)</sup> /g Liquid form: Endo-1,4-beta-xylanase: 8 000 U/ml	Pigs for fattening	—	endo-1,4-beta-xylanase: 4 000 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 4 000 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 35 % wheat.</li> </ol>	30.6.2004 <sup>(h)</sup>
34	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8 Alpha-amylase EC 3.2.1.1	Preparation of endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase produced by <i>Aspergillus niger</i> (NRRL 25541) and of alpha-amylase produced by <i>Aspergillus oryzae</i> (ATCC 66222) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 275 U <sup>(31)</sup> /g Endo-1,4-beta-xylanase: 400 U <sup>(32)</sup> /g Alpha-amylase: 3 100 U <sup>(41)</sup> /g	Piglets	Four months	endo-1,3(4)-beta-glucanase: 165 U endo-1,4-beta-xylanase: 240 U alpha-amylase: 1 860 U	— — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and the stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 165 U endo-1,4-beta-xylanase: 240 U alpha-amylase: 1 860 U.</li> <li>For use in compound feed containing cereals rich in starch and non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 45 % barley and 10 % wheat or 10 % maize.</li> </ol>	26.7.2004 <sup>(i)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
35	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 80 U <sup>(22)</sup> /g Endo-1,4-beta-xylanase: 180 U <sup>(40)</sup> /g	Laying hens	—	endo-1,3(4)-beta-glucanase: 80 U endo-1,4-beta-xylanase: 180 U	— —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 80 U endo-1,4-beta-xylanase: 180 U. 3. For use in compound feed rich in non-starch polysaccharides, (mainly beta-glucans and arabinoxylans), e.g. containing more than 60 % barley.	26.7.2004 (1)
36	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 300 U <sup>(22)</sup> /g Endo-1,4-beta-xylanase: 300 U <sup>(40)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 300 U endo-1,4-beta-xylanase: 300 U	— —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 300 U endo-1,4-beta-xylanase: 300 U. 3. For use in compound feed rich in non-starch polysaccharides, (mainly beta-glucans and arabinoxylans), e.g. containing more than 40 % barley.	26.7.2004 (1)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Laying hens	—	endo-1,3(4)-beta-glucanase: 300 U endo-1,4-beta-xylanase: 300 U	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 300 U endo-1,4-beta-xylanase: 300 U.</li> <li>3. For use in compound feed rich in non-starch polysaccharides, (mainly beta-glucans and arabinoxylans), e.g. containing more than 35 % barley.</li> </ol>	26.7.2004 (1)
37	Endo-1,4-beta-xylanase EC 3.2.1.8 Subtilisin EC 3.4.21.62	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and subtilisin produced by <i>Bacillus subtilis</i> (ATCC 2107), with a minimum activity of:  Endo-1,4-beta-xylanase: 2 500 U (40)/g Subtilisin: 800 U (42)/g	Chickens for fattening	—	endo-1,4-beta-xylanase: 500 U subtilisin: 160 U	— —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 500-2 500 U subtilisin: 160-800 U.</li> <li>3. For use in compound feed e.g. containing more than 65 % wheat.</li> </ol>	26.7.2004 (1)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Turkeys	—	endo-1,4-beta-xylanase: 825 U subtilisin: 265 U	— —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 825-2 500 U subtilisin: 265-800 U.</li> <li>For use in compound feed e.g. containing more than 45 % wheat.</li> </ol>	26.7.2004 (j)
38	Endo-1,4-beta-xylanase EC 3.2.1.8 Subtilisin EC 3.4.21.62	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and subtilisin produced by <i>Bacillus subtilis</i> (ATCC 2107) having a minimum activity of:  Endo-1,4-beta-xylanase: 5 000 U (40)/g Subtilisin: 500 U (42)/g	Piglets	Four months	endo-1,4-beta-xylanase: 5 000 U subtilisin: 500 U	— —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 5 000 U subtilisin: 500 U.</li> <li>For use in compound feed e.g. containing more than 40 % wheat.</li> </ol>	26.7.2004 (j)
39	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 400 U (22)/g Endo-1,4-beta-xylanase: 400 U (40)/g	Pigs for fattening	—	endo-1,3(4)-beta-glucanase: 400 U endo-1,4-beta-xylanase: 400 U	— —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 400 U endo-1,4-beta-xylanase: 400 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans) e.g. containing more than 65 % barley.</li> </ol>	26.7.2004 (j)



No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
40	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8 Subtilisin EC 3.4.21.62	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and subtilisin produced by <i>Bacillus subtilis</i> (ATCC 2107) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 100 U <sup>(22)</sup> /g  Endo-1,4-beta-xylanase: 300 U <sup>(40)</sup> /g  Subtilisin: 800 U <sup>(42)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 30 U endo-1,4-beta-xylanase: 90 U subtilisin: 240 U	— — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff:  endo-1,3(4)-beta-glucanase: 30-100 U  endo-1,4-beta-xylanase: 90-300 U subtilisin: 240-800 U.  3. For use in compound feed e.g. containing more than 60 % barley.	26.7.2004 (1)
41	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8 Subtilisin EC 3.4.21.62	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and subtilisin produced by <i>Bacillus subtilis</i> (ATCC 2107) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 100 U <sup>(22)</sup> /g  Endo-1,4-beta-xylanase: 2 500 U <sup>(40)</sup> /g  Subtilisin: 800 U <sup>(42)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 25 U endo-1,4-beta-xylanase: 625 U subtilisin: 200 U	— — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff:  endo-1,3(4)-beta-glucanase: 25-100 U  endo-1,4-beta-xylanase: 625-2 500 U subtilisin: 200-800 U.  3. For use in compound feed e.g. containing more than 30 % wheat and 10 % barley.	26.7.2004 (1)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Laying hens	—	endo-1,3(4)-beta-glucanase: 100 U endo-1,4-beta-xylanase: 2 500 U subtilisin: 800 U	— — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 100 U endo-1,4-beta-xylanase: 2 500 U subtilisin: 800 U.</li> <li>For use in compound feed e.g. containing more than 50 % wheat and 25 % barley.</li> </ol>	26.7.2004 (1)
42	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135) having a minimum activity of: Solid form: Endo-1,4-beta-xylanase: 4 000 U (40)/g Characteristics of the authorised preparation: Endo-1,4-beta-xylanase: 1,99 % Wheat: 97,7 % Calcium propionate: 0,3 % Lecithin: 0,01 %	Piglets	Four months	endo-1,4-beta-xylanase: 4 000 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 4 000 U.</li> <li>For use in compound feed rich in non-starch polysaccharides, (mainly arabinoxylans), e.g. containing more than 60 % wheat.</li> </ol>	26.7.2004 (1)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Pigs for fattening	—	endo-1,4-beta-xylanase: 4 000 U	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 4 000 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 60 % wheat.</li> </ol>	17.7.2004 <sup>(m)</sup>
43	Endo-1,4-beta-xylanase EC 3.2.1.8 Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Alpha-amylase EC 3.2.1.1	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135), endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553) having a minimum activity of: Endo-1,4-beta-xylanase: 3 975 U <sup>(40)</sup> /g Endo-1,3(4)-beta-glucanase: 125 U <sup>(22)</sup> /g Alpha-amylase: 1 000 U <sup>(43)</sup> /g	Piglets	Four months	endo-1,4-beta-xylanase: 3 975 U endo-1,3(4)-beta-glucanase: 125 U alpha-amylase: 1 000 U	— — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 3 975 U endo-1,3(4)-beta-glucanase: 125 U alpha-amylase: 1 000 U.</li> <li>For use in compound feed containing cereals rich in starch and non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % wheat and 20 % barley and 20 % rye.</li> </ol>	6.1.2004 <sup>(k)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
44	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8 Alpha-amylase EC 3.2.1.1	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 250 U <sup>(22)</sup> /g  Endo-1,4-beta-xylanase: 400 U <sup>(40)</sup> /g  Alpha-amylase: 1 000 U <sup>(43)</sup> /g	Piglets	Four months	endo-1,3(4)-beta-glucanase: 250 U endo-1,4-beta-xylanase: 400 U alpha-amylase: 1 000 U	— — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 250 U endo-1,4-beta-xylanase: 400 U alpha-amylase: 1 000 U.  3. For use in compound feed containing cereals rich in starch and non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 50 % barley.	6.1.2004 <sup>(k)</sup>
45	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8 Alpha-amylase EC 3.2.1.1	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135) and alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 250 U <sup>(22)</sup> /g  Endo-1,4-beta-xylanase: 400 U <sup>(40)</sup> /g  Alpha-amylase: 1 000 U <sup>(43)</sup> /g	Piglets	Four months	endo-1,3(4)-beta-glucanase: 250 U endo-1,4-beta-xylanase: 400 U alpha-amylase: 1 000 U	— — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 250 U endo-1,4-beta-xylanase: 400 U alpha-amylase: 1 000 U.  3. For use in compound feed containing cereals rich in starch and non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 35 % barley.	6.1.2004 <sup>(k)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
46	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	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135) and polygalacturonase produced by <i>Aspergillus aculeatus</i> (CBS 589.94) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 400 U <sup>(22)</sup> /g Endo-1,4-beta-xylanase: 400 U <sup>(40)</sup> /g Polygalacturonase: 50 U <sup>(44)</sup> /g	Pigs for fattening	—	endo-1,3(4)-beta-glucanase: 400 U endo-1,4-beta-xylanase: 400 U polygalacturonase: 50 U	— — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 400 U endo-1,4-beta-xylanase: 400 U polygalacturonase: 50 U. 3. For use in compound feed containing cereals rich in starch and non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % barley.	6.1.2004 <sup>(k)</sup>
47	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8 Alpha-amylase EC 3.2.1.1 Polygalacturonase EC 3.2.1.15	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135), alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553), polygalacturonase produced by <i>Aspergillus aculeatus</i> (CBS 589.94) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 150 U <sup>(22)</sup> /g Endo-1,4-beta-xylanase: 4 000 U <sup>(40)</sup> /g Alpha-amylase: 1 000 U <sup>(43)</sup> /g Polygalacturonase: 25 U <sup>(44)</sup> /g	Piglets	Four months	endo-1,3(4)-beta-glucanase: 150 U endo-1,4-beta-xylanase: 4 000 U alpha-amylase: 1 000 U polygalacturonase: 25 U	— — — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 150 U endo-1,4-beta-xylanase: 4 000 U alpha-amylase: 1 000 U polygalacturonase: 25 U. 3. For use in compound feed containing cereals rich in starch and non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 20 % barley and 35 % wheat.	6.1.2004 <sup>(k)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
48	Alpha-amylase EC 3.2.1.1 Endo-1,3(4)-beta- glucanase EC 3.2.1.6	Preparation of alpha-amylase and endo-1,3(4)-beta-glucanase pro- duced by <i>Bacillus amyloliquefaciens</i> (DSM 9553) having a minimum activity of: Coated form: Alpha-amylase: 200 KNU ( <sup>45</sup> )/g Endo-1,3(4)-beta-glucanase: 350 FBG ( <sup>9</sup> )/g Liquid form: Alpha-amylase: 130 KNU/ ml Endo-1,3(4)-beta-glucanase: 225 FBG/ml	Chickens for fattening	—	10 KNU 17 FBG	40 KNU 70 FBG	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 20 KNU 35 FBG.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	1.4.2004 (†)
			Turkeys for fattening	—	40 KNU 70 FBG	80 KNU 140 FBG	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 40 KNU 70 FBG.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	1.4.2004 (†)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
49	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-xylanase EC 3.2.1.8 Alpha-amylase EC 3.2.1.1 Bacillolysin EC 3.4.24.28 Polygalacturonase EC 3.2.1.15	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135), alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553), bacillolysin produced by <i>Bacillus amyloliquefaciens</i> (DSM 9554) and polygalacturonase produced by <i>Aspergillus aculeatus</i> (CBS 589.94) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 150 U <sup>(2)</sup> /g Endo-1,4-beta-xylanase: 1 500 U <sup>(40)</sup> /g Alpha-amylase: 500 U <sup>(43)</sup> /g Bacillolysin: 800 U <sup>(42)</sup> /g Polygalacturonase: 50 U <sup>(44)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 150 U endo-1,4-beta-xylanase: 1 500 U alpha-amylase: 500 U bacillolysin: 800 U polygalac-turonase: 50 U	— — — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 150 U endo-1,4-beta-xylanase: 1 500 U alpha-amylase: 500 U bacillolysin: 800 U polygalacturonase: 50 U.  3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % wheat.	17.7.2004 <sup>(m)</sup>
			Laying hens	—	endo-1,3(4)-beta-glucanase: 150 U endo-1,4-beta-xylanase: 1 500 U alpha-amylase: 500 U bacillolysin: 800 U polygalac- turonase: 50 U	— — — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 150 U endo-1,4-beta-xylanase: 1 500 U alpha-amylase: 500 U bacillolysin: 800 U polygalacturonase: 50 U.  3. For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 30 % wheat.	17.7.2004 <sup>(m)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
50	6-Phytase EC 3.1.3.26	Preparation of 6-phytase produced by <i>Aspergillus oryzae</i> (DSM 11857) having a minimum activity of:  Coated form: 2 500 FYT <sup>(46)</sup> /g  Liquid form: 5 000 FYT/g	Chickens for fattening	—	250 FYT	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 FYT.</li> <li>3. For use in compound feed containing more than 0,25 % phytin bound phosphorus.</li> </ol>	17.7.2004 <sup>(m)</sup>
			Laying hens	—	250 FYT	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 FYT.</li> <li>3. For use in compound feed containing more than 0,25 % phytin bound phosphorus.</li> </ol>	17.7.2004 <sup>(m)</sup>
			Turkeys for fattening	—	250 FYT	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 FYT.</li> <li>3. For use in compound feed containing more than 0,25 % phytin bound phosphorus.</li> </ol>	17.7.2004 <sup>(m)</sup>



No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Piglets	Two months	500 FYT	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 FYT.</li> <li>3. For use in compound feed containing more than 0,25 % phytin bound phosphorus.</li> </ol>	17.7.2004 <sup>(m)</sup>
			Pigs for fattening	—	500 FYT	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 500-1 000 FYT.</li> <li>3. For use in compound feed containing more than 0,25 % phytin bound phosphorus.</li> </ol>	17.7.2004 <sup>(m)</sup>
			Sows	—	750 FYT	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 750-1 000 FYT</li> <li>3. For use in compound feed containing more than 0,25 % phytin bound phosphorus.</li> </ol>	1.2.2007 <sup>(aa)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
51	Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,4-beta-xylanase produced by <i>Bacillus subtilis</i> (LMG-S 15136) having a minimum activity of: 100 IU <sup>(47)</sup> /g	Chickens for fattening	—	10 IU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 10 IU.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans), e.g. containing more than 40 % wheat.</li> </ol>	17.7.2004 <sup>(m)</sup>
			Piglets	Two months	10 IU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 10 IU.</li> <li>For use in compound feed rich in arabinoxylan, e.g. containing more than 40 % wheat.</li> </ol>	31.5.2005 <sup>(f)</sup>
			Pigs for fattening	—	10 IU	—	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: 10 IU.</li> <li>For use in compound feed rich in arabinoxylans e.g. minimum 40 % wheat or barley.</li> </ol>	1.2.2007 <sup>(aa)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
		Preparation of endo-1,4-beta-xylanase produced by <i>Bacillus subtilis</i> (LMG S-15136) having a minimum activity of:  Liquid: 100 IU <sup>(47)</sup> /ml	Chickens for fattening	—	10 IU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 10 IU.</li> <li>3. For use in compound feed rich in arabinoxylan, e.g. containing minimum 40 % wheat or barley.</li> </ol>	1.1.2007 <sup>(9)</sup>
		Preparation of endo-1,4-beta-xylanase produced by <i>Bacillus subtilis</i> (LMG S-15136) having a minimum activity of:  Solid and liquid: 100 IU <sup>(47)</sup> /g or ml	Chickens for fattening	—	10 IU	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff: 10 IU.</li> <li>3. For use in compound feed rich in arabinoxylan, e.g. containing minimum 40 % wheat or barley.</li> </ol>	1.1.2007 <sup>(9)</sup>
52	Endo-1,3(4)-beta-glucanase EC 3.2.1.6  Endo-1,4-beta-glucanase EC 3.2.1.4  Alpha-amylase EC 3.2.1.1	Preparation of endo-1,3(4)-beta-glucanase pro- duced by <i>Aspergillus aculeatus</i> (CBS 589.94), endo-1,4-beta-glucanase produced by <i>Trichoderma</i> <i>longibrachiatum</i> (CBS 592.94) and alpha-amylase produced by <i>Bacillus</i> <i>amyloliquefaciens</i> (DSM 9553) having a minimum activity of:  Liquid form:  Endo-1,3(4)-beta-glucanase: 10 000 U <sup>(48)</sup> /ml  Endo-1,4-beta-glucanase: 120 000 U <sup>(49)</sup> /ml  Alpha-amylase: 400 U <sup>(50)</sup> /ml	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 1 000 U  endo-1,4-beta-glucanase: 12 000 U  alpha-amylase: 40 U	—  —  —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff:  endo-1,3(4)-beta-glucanase: 1 000-2 000 U  endo-1,4-beta-glucanase: 12 000-24 000 U  alpha-amylase: 40-80 U.</li> <li>3. For use in compound feed rich in non starch polysaccharides (mainly arabinoxylans and beta-glucans) e.g. containing more than 20 % wheat and 15 % sorghum and 5 % maize.</li> </ol>	17.7.2004 <sup>(m)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
53	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-glucanase EC 3.2.1.4 Alpha-amylase EC 3.2.1.1 Bacillolysin EC 3.4.24.28 Endo-1,4-beta-xylanase EC 3.2.1.8	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Aspergillus aculeatus</i> (CBS 589.94), endo-1,4-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (CBS 592.94), alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553), bacillolysin produced by <i>Bacillus amyloliquefaciens</i> (DSM 9554) and endo-1,4-beta-xylanase produced by <i>Trichoderma viride</i> (NIBH FERM BP 4842) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 2 350 U <sup>(48)</sup> /g  Endo-1,4-beta-glucanase: 4 000 U <sup>(49)</sup> /g  Alpha-amylase: 400 U <sup>(51)</sup> /g  Bacillolysin: 450 U <sup>(52)</sup> /g  Endo-1,4-beta-xylanase: 20 000 U <sup>(53)</sup> /g	Piglets	Two months	endo-1,3(4)-beta-glucanase: 2 350 U endo-1,4-beta-glucanase: 4 000 U alpha-amylase: 400 U bacillolysin: 450 U endo-1,4-beta-xylanase: 20 000 U	— — — — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff:  endo-1,3(4)-beta-glucanase: 2 350 U  endo-1,4-beta-glucanase: 4 000 U  alpha-amylase: 400 U  bacillolysin: 450 U  endo-1,4-beta-xylanase: 20 000 U.  3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 25 % barley and 20 % maize.	23.11.2004 (*)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Chickens for fattening	—	endo-1,3(4)-beta- glucanase: 1 175 U endo-1,4-beta- glucanase: 2 000 U alpha-amylase: 200 U bacillolysin: 225 U endo-1,4-beta- xylanase: 10 000 U	— — — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 1 175-2 350 U endo-1,4-beta-glucanase: 2 000-4 000 U alpha-amylase: 200-400 U bacillolysin: 225-450 U endo-1,4-beta-xylanase: 10 000-20 000 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 45 % wheat.</li> </ol>	23.11.2004 (*)
54	Endo-1,3(4)-beta- glucanase EC 3.2.1.6 Endo-1,4-beta- glucanase EC 3.2.1.4 Alpha-amylase EC 3.2.1.1 Endo-1,4-beta- xylanase EC 3.2.1.8	Preparation of endo-1,3(4)-beta-glucanase pro- duced by <i>Aspergillus aculeatus</i> (CBS 589.94), endo-1,4-beta-glucanase produced by <i>Trichoderma</i> <i>longibrachiatum</i> (CBS 592.94), alpha-amylase produced by <i>Bacillus</i> <i>amyloliquefaciens</i> (DSM 9553) and endo-1,4-beta-xylanase produced by <i>Trichoderma viride</i> (NIBH FERM BP 4842) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 10 000 U <sup>(48)</sup> /g Endo-1,4-beta-glucanase: 120 000 U <sup>(49)</sup> /g Alpha-amylase: 400 U <sup>(51)</sup> /g Endo-1,4-beta-xylanase: 210 000 U <sup>(53)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta- glucanase: 1 000 U endo-1,4-beta- glucanase: 12 000 U alpha-amylase: 40 U endo-1,4-beta- xylanase: 21 000 U	— — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 1 000-2 000 U endo-1,4-beta-glucanase: 12 000-24 000 U alpha-amylase: 40-80 U endo-1,4-beta-xylanase: 21 000-42 000 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 45 % wheat.</li> </ol>	23.11.2004 (*)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Turkeys for fattening	—	endo-1,3(4)-beta- glucanase: 500 U endo-1,4-beta- glucanase: 6 000 U alpha-amylase: 20 U endo-1,4-beta- xylanase: 10 500 U	— — — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kilogram of complete feedingstuff: endo-1,3(4)-beta-glucanase: 500-1 500 U endo-1,4-beta-glucanase: 6 000-18 000 U alpha-amylase: 20-60 U endo-1,4-beta-xylanase: 10 500-31 500 U</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 30 % wheat.</li> </ol>	13.10.2005 (*)
55	Endo-1,3(4)-beta- glucanase EC 3.2.1.6 Endo-1,4-beta- glucanase EC 3.2.1.4 Alpha-amylase EC 3.2.1.1 Bacillolysin EC 3.4.24.28	Preparation of endo-1,3(4)-beta-glucanase pro- duced by <i>Aspergillus aculeatus</i> (CBS 589.94), endo-1,4-beta-glucanase produced by <i>Trichoderma</i> <i>longibrachiatum</i> (CBS 592.94), alpha-amylase produced by <i>Bacillus</i> <i>amyloliquefaciens</i> (DSM 9553) and bacillolysin produced by <i>Bacillus</i> <i>amyloliquefaciens</i> (DSM 9554) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 3 000 U <sup>(48)</sup> /g  Endo-1,4-beta-glucanase: 5 000 U <sup>(49)</sup> /g  Alpha-amylase: 540 U <sup>(51)</sup> /g  Bacillolysin: 450 U <sup>(52)</sup> /g	Piglets	Two months	endo-1,3(4)-beta- glucanase: 1 500 U endo-1,4-beta- glucanase: 2 500 U alpha-amylase: 270 U bacillolysin: 225 U	— — — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 1 500-3 000 U endo-1,4-beta-glucanase: 2 500-5 000 U alpha-amylase: 270-540 U bacillolysin: 225-450 U.</li> <li>For use in compound feed rich in starch and non-starch polysaccharides, e.g. containing more than 35 % wheat and 15 % barley.</li> </ol>	23.11.2004 (*)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Pigs for fattening	—	endo-1,3(4)-beta- glucanase: 1 500 U endo-1,4-beta- glucanase: 2 500 U alpha-amylase: 270 U bacillolysin: 225 U	— — — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 1 500-3 000 U endo-1,4-beta-glucanase: 2 500-5 000 U alpha-amylase: 270-540 U bacillolysin: 225-450 U.</li> <li>For use in compound feed rich in starch and non-starch polysaccharides, e.g. containing more than 50 % barley.</li> </ol>	23.11.2004 (*)
			Chickens for fattening	—	endo-1,3(4)-beta- glucanase: 1 500 U endo-1,4-beta- glucanase: 2 500 U alpha-amylase: 270 U bacillolysin: 225 U	— — — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 1 500-3 000 U endo-1,4-beta-glucanase: 2 500-5 000 U alpha-amylase: 270-540 U bacillolysin: 225-450 U.</li> <li>For use in compound feed rich in starch and non-starch polysaccharides, e.g. containing more than 50 % maize or 50 % wheat.</li> </ol>	23.11.2004 (*)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
			Laying hens	—	endo-1,3(4)-beta-glucanase: 1 500 U endo-1,4-beta-glucanase: 2 500 U alpha-amylase: 270 U bacillolysin: 225 U	— — — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 1 500-3 000 U endo-1,4-beta-glucanase: 2 500-5 000 U alpha-amylase: 270-540 U bacillolysin: 225-450 U.</li> <li>For use in compound feed rich in starch and non-starch polysaccharides, e.g. containing more than 40 % maize and 10 % rye.</li> </ol>	23.11.2004 (*)
56	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-glucanase EC 3.2.1.4 Alpha-amylase EC 3.2.1.1 Bacillolysin EC 3.4.24.28	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Aspergillus aculeatus</i> (CBS 589.94), endo-1,4-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (CBS 592.94), alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553) and bacillolysin produced by <i>Bacillus amyloliquefaciens</i> (DSM 9554) having a minimum activity of: Endo-1,3(4)-beta-glucanase: 6 000 U <sup>(48)</sup> /g Endo-1,4-beta-glucanase: 3 500 U <sup>(49)</sup> /g Alpha-amylase: 1 400 U <sup>(51)</sup> /g Bacillolysin: 450 U <sup>(52)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 6 000 U Endo-1,4-beta-glucanase: 3 500 U alpha-amylase: 1 400 U bacillolysin: 450 U	— — — —	<ol style="list-style-type: none"> <li>In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.</li> <li>Recommended dose per kg of complete feedingstuff: endo-1,3(4)-beta-glucanase: 6 000 U endo-1,4-beta-glucanase: 3 500 U alpha-amylase: 1 400 U bacillolysin: 450 U.</li> <li>For use in compound feed rich in non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % barley.</li> </ol>	23.11.2004 (*)



No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
57	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-glucanase EC 3.2.1.4 Alpha-amylase EC 3.2.1.1 Bacillolysin EC 3.4.24.28	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Aspergillus aculeatus</i> (CBS 589.94), endo-1,4-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (CBS 592.94), alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553) and bacillolysin produced by <i>Bacillus amyloliquefaciens</i> (DSM 9554) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 3 000 U <sup>(48)</sup> /g  Endo-1,4-beta-glucanase: 9 000 U <sup>(49)</sup> /g  Alpha-amylase: 540 U <sup>(51)</sup> /g  Bacillolysin: 450 U <sup>(52)</sup> /g	Chickens for fattening	—	endo-1,3(4)-beta-glucanase: 3 000 U endo-1,4-beta-glucanase: 9 000 U alpha-amylase: 540 U bacillolysin: 450 U	— — — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff:  endo-1,3(4)-beta-glucanase: 3 000 U  endo-1,4-beta-glucanase: 9 000 U alpha-amylase: 540 U bacillolysin: 450 U.  3. For use in compound feed rich in starch and non-starch polysaccharides (mainly cellulose and hemicellulose), e.g. containing more than 20 % sunflower meal and 10 % soya meal.	23.11.2004 (*)
58	Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Endo-1,4-beta-glucanase EC 3.2.1.4 Alpha-amylase EC 3.2.1.1 Bacillolysin EC 3.4.24.28	Preparation of endo-1,3(4)-beta-glucanase produced by <i>Aspergillus aculeatus</i> (CBS 589.94), endo-1,4-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (CBS 592.94), alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553) and bacillolysin produced by <i>Bacillus amyloliquefaciens</i> (DSM 9554) having a minimum activity of:  Endo-1,3(4)-beta-glucanase: 2 350 U <sup>(48)</sup> /g  Endo-1,4-beta-glucanase: 5 000 U <sup>(49)</sup> /g  Alpha-amylase: 400 U <sup>(51)</sup> /g  Bacillolysin: 5 000 U <sup>(52)</sup> /g	Piglets	Two months	endo-1,3(4)-beta-glucanase: 2 350 U endo-1,4-beta-glucanase: 5 000 U alpha-amylase: 400 U bacillolysin: 5 000 U	— — — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  2. Recommended dose per kg of complete feedingstuff:  endo-1,3(4)-beta-glucanase: 2 350 U  endo-1,4-beta-glucanase: 5 000 U alpha-amylase: 400 U bacillolysin: 5 000 U.  3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 30 % barley.	23.11.2004 (*)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
59	Endo-1,4-beta-xylanase EC 3.2.1.8 Endo-1,3(4)-beta-glucanase EC 3.2.1.6 Subtilisin EC 3.4.21.62 Alpha-amylase EC 3.2.1.1 Polygalacturonase EC 3.2.1.15	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105), endo-1,3(4)-beta-glucanase and alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553), subtilisin produced by <i>Bacillus subtilis</i> (ATCC 2107), polygalacturonase produced by <i>Aspergillus aculeatus</i> (CBS 589.94) having a minimum activity of: Endo-1,4-beta-xylanase: 300 U <sup>(40)</sup> /g Endo-1,3(4)-beta-glucanase: 150 U <sup>(22)</sup> /g Subtilisin: 4 000 U <sup>(42)</sup> /g Alpha-amylase: 400 U <sup>(43)</sup> /g Polygalacturonase: 25 U <sup>(44)</sup> /g	Chickens for fattening	—	endo-1,4-beta-xylanase: 300 U endo-1,3(4)-beta-glucanase: 150 U subtilisin: 4 000 U alpha-amylase: 400 U polygalacturonase: 25 U	— — — —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 300 U endo-1,3(4)-beta-glucanase: 150 U subtilisin: 4 000 U alpha-amylase: 400 U polygalacturonase: 25 U. 3. For use in compound feed rich in starch and non-starch polysaccharides (mainly arabinoxylans and beta-glucans), e.g. containing more than 40 % maize.	28.2.2005 <sup>(9)</sup>
60	Endo-1,4-beta-xylanase EC 3.2.1.8 Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105), endo-1,3(4)-beta-glucanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) having a minimum activity of: Endo-1,4-beta-xylanase: 5 000 U <sup>(40)</sup> /ml Endo-1,3(4)-beta-glucanase: 50 U <sup>(22)</sup> /ml	Chickens for fattening	—	endo-1,4-beta-xylanase: 500 U endo-1,3(4)-beta-glucanase: 5 U	— —	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting. 2. Recommended dose per kg of complete feedingstuff: endo-1,4-beta-xylanase: 500-2 500 U endo-1,3(4)-beta-glucanase: 5-25 U. 3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g. containing more than 20 % barley and 40 % wheat.	28.2.2005 <sup>(9)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					Units of activity/kg of complete feedingstuff			
61	Endo-1,4-beta-xylanase EC 3.2.1.8 Endo-1,3(4)-beta-glucanase EC 3.2.1.6	Preparation of endo-1,4-beta-xylanase produced by <i>Trichoderma reesei</i> (CBS 529.94), endo-1,3(4)-beta-glucanase produced by <i>Trichoderma reesei</i> (CBS 526.94) having a minimum activity of:  Powder form: Endo-1,4-beta-xylanase: 17 000 BXU ( <sup>3</sup> 4)/g Endo-1,3(4)-beta-glucanase: 11 000 BU ( <sup>3</sup> 3)/g  Liquid form: Endo-1,4-beta-xylanase: 22 000 BXU/ml Endo-1,3(4)-beta-glucanase: 15 000 BU/ml	Chickens for fattening	—	endo-1,4-beta-xylanase: 17 000 BXU endo-1,3(4)-beta-glucanase: 11 000 BU	—  —	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.</li> <li>2. Recommended dose per kg of complete feedingstuff:  endo-1,4-beta-xylanase: 17 000 BXU endo-1,3(4)-beta-glucanase: 11 000 BU.</li> <li>3. For use in compound feed rich in non-starch polysaccharides (mainly beta-glucans and arabinoxylans), e.g containing more than 40 % barley or 55 % wheat.</li> </ol>	28.2.2005 <sup>(9)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			

**Micro-organisms**

1	<i>Bacillus cereus</i> var. <i>toyoi</i> NCIMB 40112/CNCM I-1012	Preparation of <i>Bacillus cereus</i> var. <i>toyoi</i> containing a minimum of: $1 \times 10^{10}$ CFU/g additive	Chickens for fattening	—	$0,2 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  May be used in compound feed containing the permitted coccidiostats: monensin sodium, lasolacid sodium, salinomycin sodium, decoquinate, robenidine, narasin, halofuginone.	7.10.2004 <sup>(h+u)</sup>
			Laying hens	—	$0,2 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	7.10.2004 <sup>(h+u)</sup>
			Calves	Six months	$0,5 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	7.10.2004 <sup>(h+u)</sup>
			Cattle for fattening	—	$0,2 \times 10^9$	$0,2 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  The quantity of <i>Bacillus cereus</i> var. <i>toyoi</i> in the daily ration must not exceed $1,0 \times 10^9$ CFU for 100 kg body weight. Add $0,2 \times 10^9$ CFU for each additional 100 kg body weight.	7.10.2004 <sup>(h+u)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Breeding does	—	$0,1 \times 10^9$	$5 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  May be used in compound feed containing the permitted coccidiostat: robenidine.	7.10.2004 <sup>(h+u)</sup>
			Rabbits for fattening	—	$0,1 \times 10^9$	$5 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  May be used in compound feed containing the permitted coccidiostats: robenidine, salinomycin sodium.	7.10.2004 <sup>(h+u)</sup>
3	<i>Saccharomyces cerevisiae</i> NCYC Sc 47	Preparation of <i>Saccharomyces cerevisiae</i> containing a minimum of: $5 \times 10^9$ CFU/g additive	Rabbits for fattening	—	$2,5 \times 10^9$	$5 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	30.6.2004 <sup>(f)</sup>
			Sows	—	$5 \times 10^9$	$2,5 \times 10^{10}$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Piglets	Four months	$5 \times 10^9$	$1 \times 10^{10}$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	30.6.2004 <sup>(f)</sup>
			Dairy cows	—	$4 \times 10^8$	$2 \times 10^9$	In the directions for use of the additive and the premixture, indicate the storage temperature, storage life and stability to pelleting.  The quantity of <i>Saccharomyces cerevisiae</i> in the daily ration must not exceed $5,6 \times 10^9$ CFU per 100 kg of body weight. Add $8,75 \times 10^9$ CFU per each additional 100 kg body weight.	31.5.2005 <sup>(f)</sup>
5	<i>Saccharomyces cerevisiae</i> CBS 493.94	Preparation of <i>Saccharomyces cerevisiae</i> containing a minimum of: $1 \times 10^8$ CFU/g additive	Calves	Six months	$2 \times 10^8$	$2 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	30.6.2004 <sup>(f)</sup>
			Cattle for fattening	—	$1,7 \times 10^8$	$1,7 \times 10^8$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  The quantity of <i>Saccharomyces cerevisiae</i> in the daily ration must not exceed $7,5 \times 10^8$ CFU for 100 kg body weight. Add $1 \times 10^8$ CFU for each additional 100 kg body weight.	30.6.2004 <sup>(g)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Dairy cows	—	$5 \times 10^7$	$3,5 \times 10^8$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  The quantity of <i>Saccharomyces cerevisiae</i> in the daily ration must not exceed $1,2 \times 10^9$ CFU for 100 kg body weight. Add $1,7 \times 10^8$ CFU per each additional 100 kg body weight.	31.5.2005 <sup>(f)</sup>
6	<i>Saccharomyces cerevisiae</i> CNCM I-1079	Preparation of <i>Saccharomyces cerevisiae</i> containing a minimum of: $2 \times 10^{10}$ CFU/g additive	Sows	—	$2 \times 10^9$	$1 \times 10^{10}$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	30.6.2004 <sup>(f)</sup>
			Piglets	Four months	$6 \times 10^9$	$3 \times 10^{10}$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	30.6.2004 <sup>(f)</sup>
7	<i>Saccharomyces cerevisiae</i> CNCM I-1077	Preparation of <i>Saccharomyces cerevisiae</i> containing a minimum of: $2 \times 10^{10}$ CFU/g additive	Dairy cows	—	$5,5 \times 10^8$	$2,1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  The quantity of <i>Saccharomyces cerevisiae</i> in the daily ration must not exceed $8,4 \times 10^9$ CFU for 100 kg body weight. Add $1,8 \times 10^9$ CFU for each additional 100 kg body weight.	30.6.2004 <sup>(f)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Cattle for fattening	—	$1 \times 10^9$	$1,5 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  The quantity of <i>Saccharomyces cerevisiae</i> in the daily ration must not exceed $4,6 \times 10^9$ CFU for 100 kg bodyweight. Add $2 \times 10^9$ CFU for each additional 100 kg bodyweight.	30.6.2004 <sup>(f)</sup>
8	<i>Enterococcus faecium</i> ATCC 53519 <i>Enterococcus faecium</i> ATCC 55593 [In a 1/1 ratio]	Mixture of: encapsulated <i>Enterococcus faecium</i> ATCC 53519 and encapsulated <i>Enterococcus faecium</i> ATCC 55593 containing a minimum of $2 \times 10^8$ CFU/g of the additive (i.e. a minimum of $1 \times 10^8$ CFU/g of each bacterium)	Chickens for fattening	—	$1 \times 10^8$	$1 \times 10^8$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  May be used in compound feed containing the permitted coccidiostats: decoquinate, halofuginone, lasalocid sodium, maduramicin ammonium, monensin sodium, narasin, narasin/nicarbazin, salinomycin sodium.	30.6.2004 <sup>(f)</sup>
9	<i>Pediococcus acidilactici</i> CNCM MA 18/5M	Preparation of <i>Pediococcus acidilactici</i> containing a minimum of $1 \times 10^{10}$ CFU/g of additive	Chickens for fattening	—	$1 \times 10^9$	$1 \times 10^{10}$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  May be used in compound feed containing the permitted coccidiostats: decoquinate, narasin, salinomycin sodium, maduramicin ammonium, diclazuril.	30.6.2004 <sup>(g)</sup>



No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Piglets	Four months	$1 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	30.6.2004 <sup>(6)</sup>
			Pigs for fattening	—	$1 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	30.6.2004 <sup>(6)</sup>
10	<i>Enterococcus faecium</i> NCIMB 10415	Preparation of <i>Enterococcus faecium</i> containing a minimum of: Microencapsulated form: $1,0 \times 10^{10}$ CFU/g additive $1,75 \times 10^{10}$ CFU/g additive	Chickens for fattening	—	$0,3 \times 10^9$	$2,8 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  May be used in compound feed containing the permitted coccidiostats: diclazuril, halofuginone, maduramicin ammonium, monensin sodium, robenidine, salinomycin sodium.	30.6.2004 <sup>(6)</sup>
			Pigs for fattening	—	$0,35 \times 10^9$	$1,5 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	30.6.2004 <sup>(6)</sup>
			Sows	—	$0,2 \times 10^9$	$1,25 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	30.6.2004 <sup>(6)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingsstuff			
			Cattle for fattening	—	$0,25 \times 10^9$	$0,6 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  The quantity of <i>Enterococcus faecium</i> in the daily ration must not exceed $1 \times 10^9$ CFU for 100 kg body weight. Add $1 \times 10^9$ CFU for each additional 100 kg body weight.	30.6.2004 (*)
		Preparation of <i>Enterococcus faecium</i> containing a minimum of:  Microencapsulated form: $1,0 \times 10^{10}$ CFU/g additive $1,75 \times 10^{10}$ CFU/g additive and Granulated form: $3,5 \times 10^{10}$ CFU/g additive	Piglets	Four months	$0,3 \times 10^9$	$1,4 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  Granulated form to be used exclusively in milk replacers.	30.6.2004 (*)
			Calves	Six months	$0,35 \times 10^9$	$6,6 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  Granulated form to be used exclusively in milk replacers.	30.6.2004 (*)
11	<i>Enterococcus faecium</i> DSM 5464	Preparation of <i>Enterococcus faecium</i> containing a minimum of:  $5 \times 10^{10}$ CFU/g additive	Piglets	Four months	$0,5 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	30.6.2004 (*)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Chickens for fattening	—	$0,5 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  May be used in compound feed containing the permitted coccidiostats: diclazuril, halofuginone, monensin-sodium.	1.4.2004 <sup>(1)</sup>
			Calves	Four months	$0,5 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	1.4.2004 <sup>(1)</sup>
12	<i>Lactobacillus farciminis</i> CNCM MA 67/4R	Preparation of <i>Lactobacillus farciminis</i> containing a minimum of $1 \times 10^9$ CFU/g additive	Piglets	Four months	$1 \times 10^9$	$1 \times 10^{10}$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	30.6.2004 <sup>(2)</sup>
13	<i>Enterococcus faecium</i> DSM 10 663/ NCIMB 10 415	Preparation of <i>Enterococcus faecium</i> containing a minimum of: Powder and granulated forms: $3,5 \times 10^{10}$ CFU/g additive Coated form: $2,0 \times 10^{10}$ CFU/g additive Liquid form: $1 \times 10^{10}$ CFU/ml additive	Piglets	Four months	$1 \times 10^9$	$1 \times 10^{10}$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	30.6.2004 <sup>(2)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Calves	Six months	$1 \times 10^9$	$1 \times 10^{10}$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	26.7.2004 <sup>(f)</sup>
			Chickens for fattening	—	$1 \times 10^9$	$1 \times 10^{10}$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  May be used in compound feed containing the permitted coccidiostats: decoquinate, diclazuril, halofuginone, lasalocid sodium, maduramicin ammonium, monensin sodium, narasin, nicarbazin, robenidine, salinomycin sodium.	26.7.2004 <sup>(f)</sup>
14	<i>Saccharomyces cerevisiae</i> MUCL 39 885	Preparation of <i>Saccharomyces cerevisiae</i> containing a minimum of:  Powder, spheric and oval granulated forms: $1 \times 10^9$ CFU/g additive	Piglets	Four months	$3 \times 10^9$	$3 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	30.6.2004 <sup>(h)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Cattle for fattening	—	$9 \times 10^9$	$9 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.  The quantity of <i>Saccharomyces cerevisiae</i> in the daily ration must not exceed $1,6 \times 10^{10}$ CFU per 100 kg body weight. Add $3,2 \times 10^9$ CFU for each additional 100 kg body weight.	30.6.2004 <sup>(h)</sup>
15	<i>Enterococcus faecium</i> NCIMB 11181	Preparation of <i>Enterococcus faecium</i> containing a minimum of:  Powder form: $4 \times 10^{11}$ CFU/g additive  Coated form: $5 \times 10^{10}$ CFU/g additive	Calves	Six months	$5 \times 10^8$	$2 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	6.1.2004 <sup>(k)</sup>
			Piglets	Four months	$5 \times 10^8$	$2 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	6.1.2004 <sup>(k)</sup>
16	<i>Enterococcus faecium</i> DSM 7134 <i>Lactobacillus rhamnosus</i> DSM 7133	Mixture of: <i>Enterococcus faecium</i> containing a minimum of: $7 \times 10^9$ CFU/g and of <i>Lactobacillus rhamnosus</i> containing a minimum of: $3 \times 10^9$ CFU/g	Calves	Six months	$1 \times 10^9$	$6 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	6.1.2004 <sup>(k)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Piglets	Four months	$1 \times 10^9$	$5 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	6.1.2004 <sup>(k)</sup>
17	<i>Lactobacillus casei</i> NCIMB 30096 <i>Enterococcus faecium</i> NCIMB 30098	Mixture of <i>Lactobacillus casei</i> and <i>Enterococcus faecium</i> containing a minimum of: <i>Lactobacillus casei</i> $2 \times 10^9$ CFU/g and: <i>Enterococcus faecium</i> $6 \times 10^9$ CFU/g	Calves	Six months	<i>Lactobacillus casei</i> $0,5 \times 10^9$ <i>Enterococcus faecium</i> $1,5 \times 10^9$	<i>Lactobacillus casei</i> $1 \times 10^9$ <i>Enterococcus faecium</i> $3 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	1.4.2004 <sup>(l)</sup>
18	<i>Enterococcus faecium</i> CECT 4515	Preparation of <i>Enterococcus faecium</i> containing a minimum of $1 \times 10^{10}$ CFU/g additive	Piglets	Four months	$1 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture indicate the storage temperature, storage life and stability to pelleting.	1.4.2004 <sup>(l)</sup>
			Calves	Six months	$1 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture indicate the storage temperature, storage life and stability to pelleting.	1.4.2004 <sup>(l)</sup>
19	<i>Streptococcus infantarius</i> CNCM I-841 <i>Lactobacillus plantarum</i> CNCM I-840	Mixture of: <i>Streptococcus infantarius</i> and <i>Lactobacillus plantarum</i> containing a minimum of: <i>Streptococcus infantarius</i> $0,5 \times 10^9$ CFU/g and: <i>Lactobacillus plantarum</i> $2 \times 10^9$ CFU/g	Calves	Six months	<i>Streptococcus infantarius</i> : $1 \times 10^9$ <i>Lactobacillus plantarum</i> : $0,5 \times 10^9$	<i>Streptococcus infantarius</i> : $1 \times 10^9$ <i>Lactobacillus plantarum</i> : $0,5 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life and stability to pelleting.	17.7.2004 <sup>(m)</sup>

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
20	<i>Bacillus licheniformis</i> DSM 5749 <i>Bacillus subtilis</i> DSM 5750 (In a 1/1 ratio)	Mixture of <i>Bacillus licheniformis</i> and <i>Bacillus subtilis</i> containing a minimum of:  $3,2 \times 10^9$ CFU/g of the additive ( $1,6 \times 10^9$ CFU/g of each bacterium)	Sows	15 days pre partum and during lactation period	$0,96 \times 10^9$	$1,92 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	23.11.2004 (°)
			Pigs for fattening	—	$0,48 \times 10^9$	$1,28 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	23.11.2004 (°)
			Chickens for fattening	—	$3,2 \times 10^9$	$3,2 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  May be used in compound feed containing the permitted coccidiostats: diclazuril, halofuginone, monensin sodium, robenidine and salinomycin sodium.	23.11.2004 (°)

No (or EC No)	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					CFU/kg of complete feedingstuff			
			Turkeys for fattening	—	$1,28 \times 10^9$	$3,2 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.  May be used in compound feed containing the permitted coccidiostats: diclazuril, halofuginone, monensin sodium, nifursol and robenidine.	23.11.2004 <sup>(9)</sup>
			Calves	Six months	$1,28 \times 10^9$	$1,6 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	28.2.2005 <sup>(9)</sup>
21	<i>Enterococcus faecium</i> DSM 3530	Preparation of <i>Enterococcus faecium</i> containing a minimum of: $2,5 \times 10^9$ CFU/g	Calves	Six months	$1 \times 10^9$	$1 \times 10^9$	In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting.	28.2.2005 <sup>(9)</sup>
22	<i>Enterococcus faecium</i> DSM 7134	Preparation of <i>Enterococcus faecium</i> containing a minimum of: Powder: $1 \times 10^{10}$ CFU/g of additive Granules (micro-encapsulated): $1 \times 10^{10}$ CFU/g of additive	Piglets	—	$0,5 \times 10^9$	$4 \times 10^9$	The directions for use must indicate storage temperature, shelf life and pelleting stability of the additive and the premixture.	15.4.2007 <sup>(4c)</sup>
			Pigs for fattening	—	$0,2 \times 10^9$	$1 \times 10^9$	The directions for use must indicate storage temperature, shelf life and pelleting stability of the additive and the premixture.	15.4.2007 <sup>(4c)</sup>



- (<sup>3</sup>) 1 FTU is the amount of enzyme which liberates 1 micromole of inorganic phosphate per minute from sodium phytate at pH 5,5 and 37 °C.
- (<sup>4</sup>) 1 IU is the amount of enzyme which liberates 1 micromole of reducing sugar (glucose equivalent) from oat beta-glucan per minute at pH 4,0 and 30 °C.
- (<sup>5</sup>) 1 IU is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from oat xylan per minute at pH 4,0 and 30 °C.
- (<sup>7</sup>) 1 FYT is the amount of enzyme which liberates 1 micromole of inorganic phosphate per minute from sodium phytate at pH 5,5 and 37 °C.
- (<sup>8</sup>) 1 GALU is the amount of enzyme which hydrolyses 1 micromole of p-nitrophenyl-alpha-galactopyranoside per minute at pH 5,5 and 37 °C.
- (<sup>9</sup>) 1 FBG is the amount of enzyme which liberates 1 micromole of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 5,0 and 30 °C.
- (<sup>10</sup>) 1 FXU is the amount of enzyme which liberates 7.8 micromoles of reducing sugars (xylose equivalents) from azo-wheat arabinoxylan per minute at pH 6,0 and 50 °C.
- (<sup>11</sup>) 1 FXU is the amount of enzyme which liberates 3.1 micromoles of reducing sugars (xylose equivalents) from azo-wheat arabinoxylan per minute at pH 6,0 and 50 °C.
- (<sup>12</sup>) 1 FXU is the amount of enzyme which liberates 0,15 micromoles of xylose from azurine-cross-linked xylan per minute at pH 5,0 and 40 °C.
- (<sup>13</sup>) 1 BGU is the amount of enzyme which liberates 0,15 micromoles of glucose from azurine-cross-linked beta-glucan per minute at pH 5,0 and 40 °C.
- (<sup>14</sup>) 1 EXU is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from arabinoxylan per minute at pH 3,5 and 55 °C.
- (<sup>15</sup>) 1 RAU is the amount of enzyme which converts 1 mg of soluble starch into a product having an equal absorption to a reference colour at 620 nm after reaction with iodine, per minute at pH 6,6 and 30 °C.
- (<sup>16</sup>) 1 U is the amount of enzyme which liberates 0,1 micromoles of glucose from carboxymethylcellulose per minute at pH 5,0 and 40 °C.
- (<sup>17</sup>) 1 U is the amount of enzyme which liberates 0,1 micromoles of glucose from barley beta-glucan per minute at pH 5,0 and 40 °C.
- (<sup>18</sup>) 1 U is the amount of enzyme which liberates 0,1 micromoles of glucose from oat spelt xylan per minute at pH 5,0 and 40 °C.
- (<sup>19</sup>) 1 BGU is the amount of enzyme which liberates 0,278 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 3,5 and 40 °C.
- (<sup>20</sup>) 1 EXU is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from wheat arabinoxylan per minute at pH 3,5 and 55 °C.
- (<sup>21</sup>) 1 U is the amount of enzyme which liberates 1 micromole of xylose from birchwood xylan per minute at pH 5,3 and 50 °C.
- (<sup>22</sup>) 1 U is the amount of enzyme which liberates 1 micromole of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 5,0 and 30 °C.
- (<sup>23</sup>) 1 CU is the amount of enzyme which liberates 0,128 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,5 and 30 °C.
- (<sup>24</sup>) 1 EPU is the amount of enzyme which liberates 0,0083 micromoles of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 4,7 and 30 °C.
- (<sup>25</sup>) 1 U is the amount of enzyme which liberates 5,55 micromoles of reducing sugars (maltose equivalents) from barley beta-glucan per minute at pH 5,0 and 50 °C.
- (<sup>26</sup>) 1 AXC is the amount of enzyme which liberates 17,2 micromoles of reducing sugars (maltose equivalents) from oat xylan per minute at pH 4,7 and 30 °C.
- (<sup>27</sup>) 1 BGN is the amount of enzyme which liberates 1 micromole of reducing sugar (glucose equivalents) from barley beta-glucan per minute at pH 4,8 and 50 °C.
- (<sup>28</sup>) 1 IFP is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from oat xylan per minute at pH 4,8 and 50 °C.
- (<sup>29</sup>) 1 QXU is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from oat xylan per minute at pH 5,1 and 50 °C.
- (<sup>30</sup>) 1 QGU is the amount of enzyme which liberates 1 micromole of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,8 and 50 °C.
- (<sup>31</sup>) 1 U is the amount of enzyme which liberates 1 micromole of reducing sugars (glucose equivalents) from oat beta-glucan per minute at pH 4,0 and 30 °C.
- (<sup>32</sup>) 1 U is the amount of enzyme which liberates 1 micromole of reducing sugar (glucose equivalent) from oat xylan per minute at pH 4,0 and 30 °C.
- (<sup>33</sup>) 1 BU is the amount of enzyme which liberates 0,06 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 4,8 and 50 °C.
- (<sup>34</sup>) 1 BXU is the amount of enzyme which liberates 0,06 micromoles of reducing sugars (xylose equivalents) from birch xylan per minute at pH 5,3 and 50 °C.
- (<sup>35</sup>) 1 PPU is the amount of enzyme which liberates 1 micromole of inorganic phosphate from sodium phytate per minute at pH 5 and 37 °C.
- (<sup>36</sup>) 1 U is the amount of enzyme which liberates 2,78 micromoles of reducing sugars (maltose equivalents) from barley beta-glucan per minute at pH 5,0 and 50 °C.
- (<sup>37</sup>) 1 U is the amount of enzyme which liberates 5,55 micromoles of reducing sugars (maltose equivalents) from barley beta-glucan per minute at pH 5,0 and 50 °C.
- (<sup>38</sup>) 1 U is the amount of enzyme which liberates 4,00 micromoles of reducing sugars (maltose equivalents) from birchwood xylan per minute at pH 5,5 and 50 °C.
- (<sup>39</sup>) 1 EU is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from oat xylan per minute at pH 4,5 and 40 °C.
- (<sup>40</sup>) 1 U is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from oat spelt xylan per minute at pH 5,3 and 50 °C.
- (<sup>41</sup>) 1 U is the amount of enzyme which liberates 1 micromole of reducing sugar (glucose equivalent) from wheat starch per minute at pH 4,0 and 30 °C.
- (<sup>42</sup>) 1 U is the amount of enzyme which liberates 1 microgram of phenolic compound (tyrosine equivalents) from a casein substrate per minute at pH 7,5 and 40 °C.
- (<sup>43</sup>) 1 U is the amount of enzyme which hydrolyses 1 micromole of glucosidic linkages from a water insoluble cross-linked starch polymer substrate per minute at pH 6,5 and 37 °C.
- (<sup>44</sup>) 1 U is the amount of enzyme which liberates 1 micromole of reducing material (galacturonic acid equivalents) from a poly D-galacturonic substrate per minute at pH 5,0 and 40 °C.
- (<sup>45</sup>) 1 KNU is the amount of enzyme which liberates 672 micromoles of reducing sugars (glucose equivalent) from soluble starch per minute at pH 5,6 and 37 °C.
- (<sup>46</sup>) 1 FYT is the amount of enzyme which liberates 1 micromole of inorganic phosphate per minute from sodium phytate at pH 5,5 and 37 °C.
- (<sup>47</sup>) 1 IU is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) from birchwood xylan per minute at pH 4,5 and 30 °C.
- (<sup>48</sup>) 1 U is the amount of enzyme which liberates 0,0056 micromoles of reducing sugars (glucose equivalents) from barley beta-glucan per minute at pH 7,5 and 30 °C.
- (<sup>49</sup>) 1 U is the amount of enzyme which liberates 0,0056 micromoles of reducing sugars (glucose equivalents) from carboxymethylcellulose per minute at pH 4,8 and 50 °C.
- (<sup>50</sup>) 1 U is the amount of enzyme which hydrolyses 1 micromole of glucose from a cross-linked starch polymer per minute at pH 7,5 and 37 °C.
- (<sup>51</sup>) 1 U is the amount of enzyme which hydrolyses 1 micromole of glucosidic linkages from water insoluble cross-linked starch polymer per minute at pH 7,5 and 37 °C.
- (<sup>52</sup>) 1 U is the amount of enzyme which makes 1 microgram of azo-casein soluble in trichloroacetic acid per minute at pH 7,5 and 37 °C.
- (<sup>53</sup>) 1 U is the amount of enzyme which liberates 0,0067 micromoles of reducing sugars (xylose equivalents) from birchwood xylan per minute at pH 5,3 and 50 °C.
- (<sup>54</sup>) First authorisation Commission Regulation (EC) No 2316/98 (OJ L 289, 28.10.1998, p. 4)
- (<sup>55</sup>) First authorisation Commission Regulation (EC) No 639/1999 (OJ L 82, 26.3.1999, p. 6).
- (<sup>56</sup>) First authorisation Commission regulation (EC) No 1245/1999 (OJ L 150, 17.6.1999, p. 15).
- (<sup>57</sup>) First authorisation Commission Regulation (EC) No 1436/98 (OJ L 191, 7.7.1998, p. 15).
- (<sup>58</sup>) First authorisation Commission Regulation (EC) No 866/1999 (OJ L 108, 27.4.1999, p. 21).
- (<sup>59</sup>) First authorisation Commission Regulation (EC) No 1411/99 (OJ L 164, 30.6.1999, p. 56).
- (<sup>60</sup>) First authorisation Commission Regulation (EC) No 1411/1999 (OJ L 164, 30.6.1999, p. 56), as amended by Commission Regulation (EC) No 256/2002 (OJ L 41, 13.2.2002, p. 6).
- (<sup>61</sup>) First authorisation Commission Regulation (EC) No 2374/98 (OJ L 295, 4.11.1998, p. 3).
- (<sup>62</sup>) First authorisation Commission Regulation (EC) No 1636/1999 (OJ L 194, 27.7.1999, p. 17).
- (<sup>63</sup>) First authorisation Commission Regulation (EC) No 2690/1999 (OJ L 326, 18.12.1999, p. 33).

- <sup>(h)</sup> First authorisation Commission Regulation (EC) No 654/2000 (OJ L 79, 30.3.2000, p. 26).
- <sup>(m)</sup> First authorisation Commission Regulation (EC) No 1353/2000 (OJ L 155, 28.6.2000, p. 15).
- <sup>(n)</sup> First authorisation Commission Regulation (EC) No 1887/2000 (OJ L 227, 7.9.2000, p. 13).
- <sup>(o)</sup> First authorisation Commission Regulation (EC) No 2437/2000 (OJ L 280, 4.11.2000, p. 28).
- <sup>(p)</sup> First authorisation Commission Regulation (EC) No 2697/2000 (OJ L 319, 16.12.2000, p. 1).
- <sup>(q)</sup> First authorisation Commission Regulation (EC) No 418/2001 (OJ L 62, 2.3.2001, p. 3).
- <sup>(r)</sup> First authorisation Commission Regulation (EC) No 937/2001 (OJ L 130, 12.5.2001, p. 25).
- <sup>(s)</sup> First authorisation Commission Regulation (EC) No 1334/2001 (OJ L 180, 3.7.2001, p. 18), as amended by Commission Regulation (EC) No 676/2003 (OJ L 97, 15.04.2003, p. 29).
- <sup>(t)</sup> First authorisation Commission Regulation (EC) No 2013/2001 (OJ L 272, 13.10.2001, p. 24).
- <sup>(u)</sup> First authorisation Commission Regulation (EC) No 256/2002 (OJ L 41, 13.2.2002, p. 6).
- <sup>(v)</sup> First authorisation Commission Regulation (EC) No 1041/2002 (OJ L 157, 15.6.2002, p. 41).
- <sup>(w)</sup> First authorisation Commission Regulation (EC) No 1252/2002 (OJ L 183, 12.7.2002, p. 10).
- <sup>(x)</sup> First authorisation Commission Regulation (EC) No 1876/2002 (OJ L 284, 22.10.2002, p. 7).
- <sup>(y)</sup> First authorisation Commission Regulation (EC) No 2188/2002 (OJ L L 333, 10.12.2002, p. 5).
- <sup>(aa)</sup> First authorisation Commission Regulation (EC) No 261/2003 (OJ L 37, 13.2.2003, p. 12).
- <sup>(ab)</sup> First authorisation Commission Regulation (EC) No 316/2003 (OJ L 46, 20.2.2002, p. 15).
- <sup>(ac)</sup> First authorisation Commission Regulation (EC) No 666/2003 (OJ L 96, 12.4.2003, p. 11).
- <sup>(ad)</sup> First authorisation Commission Regulation (EC) No 877/2003 (OJ L 126, 22.5.2003, p. 24).
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## ANNEX I

## LIST OF THE AUTHORISED ADDITIVES BELONGING TO THE GROUPS OF ANTIBIOTICS, COCCIDIOSTATS AND GROWTH PROMOTERS IN RE-EVALUATION WITHIN THE SCOPE OF ARTICLE 9G OF DIRECTIVE 70/524/EEC AND INCLUDED IN ANNEX I BEFORE 1 JANUARY 1988

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
<b>Antibiotics</b>									
E 712		Flavophospholipol	C <sub>70</sub> H <sub>124</sub> O <sub>40</sub> N <sub>6</sub> P	Laying hens	—	2	5	—	—
				Turkeys	26 weeks	1	20	—	—
				Chickens for fattening	16 weeks	1	20	—	—
				Piglets	Three months	10	25	Milk replacers only	—
				Pigs	Six months	1	20	—	—
					Calves	Six months	6	16	—
						Six months	8	16	Milk replacers only
	Cattle for fattening	—	2	10	Indicate in the instructions for use: 'The quantity of flavophospholipol in the daily ration must not exceed 40 mg for 100 kg body weight and 1,5 mg for each additional 10 kg body weight'.	—			
E 714		Monensin sodium	C <sub>36</sub> H <sub>61</sub> O <sub>11</sub> Na (sodium salt of a polyether monocarboxylic acid produced by <i>Streptomyces cinnamonensis</i> )	Cattle for fattening	—	10	40	Indicate in the instructions for use: 'The quantity of monensin sodium in the daily ration must not exceed 140 mg for 100 kg body weight and 6 mg for each additional 10 kg body weight'. 'Dangerous for equines'. 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'.	—

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
<b>Coccidiostats and other medicinal substances</b>									
E 756		Decoquinate	3-ethoxycarbonyl-4-hydroxy-6-decyloxy-7-ethoxyquinoline	Chickens for fattening	—	20	40	Use prohibited at least three days before slaughter	—
E 757		Monensin sodium	C <sub>36</sub> H <sub>61</sub> O <sub>11</sub> Na (sodium salt of a polyether monocarboxylic acid produced by <i>Streptomyces cinnamonensis</i> )	Chickens for fattening	—	100	125	Use prohibited at least three days before slaughter. Indicate in the instructions for use: 'Dangerous for equines'. 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'.	—
				Chickens reared for laying	16 weeks	100	120	Indicate in the instructions for use: 'Dangerous for equines'. 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'.	—
				Turkeys	16 weeks	90	100	Use prohibited at least three days before slaughter. Indicate in the instructions for use: 'Dangerous for equines'. 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'.	—
E 758		Robenidine	1,3-bis[(4-chlorobenzylidene)amino]guanidine hydrochloride	Chickens for fattening	—	30	36	Use prohibited at least five days before slaughter.	—
				Turkeys	—	30	36	Use prohibited at least five days before slaughter.	—
				Rabbits for fattening	—	50	66	Use prohibited at least five days before slaughter.	—

Registration number of additive	Name and registration number of person responsible for putting additive into circulation	Additive (Trade name)	Composition, chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						mg of active substance/kg of complete feedingstuff			
E 763		Lasalocid sodium	C <sub>34</sub> H <sub>53</sub> O <sub>8</sub> Na (sodium salt of a polyether monocarboxylic acid produced by <i>Streptomyces lasaliensis</i> )	Chickens for fattening	—	75	125	Use prohibited at least five days before slaughter. Indicate in the instructions for use: 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances can be contra-indicated'.	—
				Chickens reared for laying	16 weeks	75	125	Indicate in the instructions for use: 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances can be contra-indicated'.	—
E 764		Halofuginone	DL-trans-7-bromo-6-chloro-3-(3-(3-hydroxy-2-piperidyl)acetonyl)quinazolin-4(3H)-one hydrobromide	Chickens for fattening	—	2	3	Use prohibited at least five days before slaughter.	—
				Turkeys	12 weeks	2	3	Use prohibited at least five days before slaughter.	—
E 765		Narasin	C <sub>43</sub> H <sub>72</sub> O <sub>11</sub> (polyether monocarboxylic acid produced by <i>Streptomyces aureofaciens</i> )	Chickens for fattening	—	60	70	Use prohibited at least five days before slaughter. Indicate in the instructions for use: 'Dangerous for equines'. 'This feedingstuff contains an ionophore: simultaneous use with certain medicinal substances (e.g. tiamulin) can be contra-indicated'.	—



## ANNEX II

LIST OF THE REFERENCES OF THE COMMUNITY ACTS HAVING MODIFIED THE LIST OF THE AUTHORISED ADDITIVES SINCE THE 15 NOVEMBER 2001 <sup>(1)</sup>

Reg. 2380/2001	Commission Regulation (EC) No 2380/2001 of 5 December 2001 concerning the 10 year authorisation of an additive in feedingstuffs	OJ L 321, 6.12.2001, p. 18
Reg. 256/2002	Commission Regulation (EC) No 256/2002 of 12 February 2002 concerning the provisional authorisation of new additives, the prolongation of provisional authorisation of an additive and the permanent authorisation of an additive in feedingstuffs	OJ L 41, 13.2.2002, p. 6
Reg. 1041/2002	Commission Regulation (EC) No 1041/2002 of 14 June 2002 concerning the provisional authorisation of a new additive in feedingstuffs	OJ L 157, 15.6.2002, p. 41
Reg. 1252/2002	Commission Regulation (EC) No 1252/2002 of 11 July 2002 concerning the provisional authorisation of a new additive in feedingstuffs	OJ L 183, 12.7.2002, p. 10
Reg. 1756/2002	Council Regulation (EC) No 1756/2002 of 23 September 2002 amending Directive 70/524/EEC concerning additives in feedingstuffs as regards withdrawal of the authorisation of an additive and amending Commission Regulation (EC) No 2430/1999	OJ L 265, 3.10.2002, p. 1
Reg. 1876/2002	Commission Regulation (EC) No 1876/2002 of 21 October 2002 concerning the provisional authorisation of a new use of an additive in feedingstuffs	OJ L 284, 22.10.2002, p. 7
Reg. 2188/2002	Commission Regulation (EC) No 2188/2002 of 9 December 2002 concerning the provisional authorisation of new uses of additives in feedingstuffs	OJ L 333, 10.12.2002, p. 5
Dir. 2003/7/EC	Commission Directive 2003/7/EC of 24 January 2003 amending the conditions for authorisation of canthaxanthin in feedingstuffs in accordance with Council Directive 70/524/EEC	OJ L 22, 25.1.2003, p. 28
Reg. 162/2003	Commission Regulation (EC) No 162/2003 of 30 January 2003 concerning the authorisation of an additive in feedingstuffs	OJ L 26, 31.1.2003, p. 3
Reg. 261/2003	Commission Regulation (EC) No 261/2003 of 12 February 2003 concerning the provisional authorisation of new uses of additives in feedingstuffs	OJ L 37, 13.2.2003, p. 12
Reg. 316/2003	Commission Regulation (EC) No 316/2003 of 19 February 2003 concerning the permanent authorisation of an additive in feedingstuffs and the provisional authorisation of a new use of an additive already authorised in feedingstuffs	OJ L 46, 20.2.2003, p. 15
Reg. 355/2003	Council Regulation (EC) No 355/2003 of 20 February 2003 on the authorisation of the additive avilamycin in feedingstuffs	OJ L 53, 28.2.2003, p. 1

<sup>(1)</sup> List of the authorised additives in feedingstuffs published in application of Article 9t (b) of Council Directive 70/524/EEC concerning additives in feedingstuffs (OJ C 329, 31.12.2002, p. 1)

Reg. 666/2003	Commission Regulation (EC) No 666/2003 of 11 April 2003 provisionally authorising the use of certain micro-organisms in feedingstuffs	OJ L 96, 12.4.2003, p. 11
Reg. 668/2003	Commission Regulation (EC) No 668/2003 of 11 April 2003 concerning the permanent authorisation of an additive in feedingstuffs	OJ L 96, 12.4.2003, p. 14
Reg. 676/2003	Commission Regulation (EC) No 676/2003 of 14 April 2003 amending Regulation (EC) No 1334/2001 concerning the provisional authorisation of a new additive in feedingstuffs	OJ L 97, 15.4.2003, p. 29
Reg. 871/2003	Commission Regulation (EC) No 871/2003 of 20 May 2003 permanently authorising a new additive manganomanganic oxide in feedingstuffs	OJ L 125, 21.5.2003, p. 3
Reg. 877/2003	Commission Regulation (EC) No 877/2003 of 21 May 2003 provisionally authorising the use of the acidity regulator 'Benzoic acid' in feedingstuffs	OJ L 126, 22.5.2003, p. 24
Dir. 2003/57/EC	Commission Directive 2003/57/EC of 17 June 2003 amending Directive 2002/32/EC of the European Parliament and of the Council on undesirable substances in animal feed	OJ L 151, 19.6.2003, p. 38