

## II

*(Acts whose publication is not obligatory)*

## COMMISSION

## COMMISSION DIRECTIVE

of 8 July 1985

amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs

(85/429/EEC)

THE COMMISSION OF THE EUROPEAN  
COMMUNITIES,

Having regard to the Treaty establishing the European  
Economic Community,

Having regard to Council Directive 70/524/EEC of  
23 November 1970 concerning additives in feeding-  
stuffs (1), as last amended by 50th Commission Direc-  
tive 85/342/EEC (2), and in particular Article 7 thereof,

Whereas Directive 70/524/EEC provides for a consoli-  
dated version of the Annexes to be adopted at regular  
intervals in order to incorporate the amendments made  
on account of advances in scientific and technical  
knowledge;

Whereas, since the adoption of the Directive, the  
Annexes have been amended a number of times; where-  
as, by reason of their number, their complexity and  
their dispersal among various Official Journals, the  
texts are difficult to use and thus lack the clarity which  
should be an essential feature of all legislation; where-  
as they should therefore be consolidated; whereas on  
the same occasion the name or chemical description of  
some additives should be rectified or made more pre-  
cise and certain material errors should be corrected;

Whereas the measures provided for in this Directive are  
in accordance with the opinion of the Standing Com-  
mittee for Feedingstuffs,

HAS ADOPTED THIS DIRECTIVE:

*Article 1*

Annexes I and II to Directive 70/524/EEC are hereby  
replaced by the Annexes to this Directive.

*Article 2*

Member States shall not later than 3 December 1986  
take the necessary measures to comply with this Direc-  
tive, and shall immediately inform the Commission  
thereof.

*Article 3*

This Directive is addressed to the Member States.

Done at Brussels, 8 July 1985.

*For the Commission*

Frans ANDRIESEN

*Vice-President*

(1) OJ No L 270, 14. 12. 1970, p. 1.

(2) OJ No L 179, 11. 7. 1985, p. 35.

## ANNEX I

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					Minimum content	mg/kg of complete feedingstuff		
E 700	A. Antibiotics Bacitracin zinc	$C_{66}H_{103}O_{16}N_{17}S Zn$ (polypeptide containing 12 to 20 % zinc)	Laying hens	—	15	100	—	
			Turkeys	4 weeks	5	50	—	
			Other poultry excluding ducks, geese, pigeons	26 weeks	5	20	—	
			Calves, lambs, kids	4 weeks	5	50	—	
				16 weeks	5	20	—	
				16 weeks	5	50	—	
				6 months	5	20	—	
				6 months	5	80	Milk replacers only	
				4 months	5	50	—	
				3 months	5	80	Milk replacers only	
				6 months	5	20	—	
				Animals bred for fur excluding rabbits	—	5	20	—
			E 710	Spiramycin	I $C_{43}H_{74}O_{14}N_2$ II $C_{45}H_{76}O_{15}N_2$ III $C_{46}H_{78}O_{15}N_2$ (makrolide)	Turkeys	26 weeks	5
Other poultry excluding ducks, geese, laying hens, pigeons	16 weeks	5				20	—	

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content mg./kg of complete feedingstuff		Maximum content	Other provisions
					Minimum content	Maximum content		
E 711	Virginiamycin	I. $C_{28}H_{35}O_7N_3$ II. $C_{43}H_{49}O_{10}N_7$	Calves, lambs, kids	16 weeks	5	50	—	—
				6 months	5	20	—	—
				6 months	5	80	Milk replacers only	—
			Piglets	4 months	5	50	—	—
				3 months	5	80	Milk replacers only	—
			Pigs	6 months	5	20	—	—
			Animals bred for fur exclud- ing rabbits	—	5	20	—	—
			Turkeys	26 weeks	5	20	—	—
				16 weeks	5	20	—	—
				4 months	5	50	—	—
E 712	Flavophospholipol	$C_{70}H_{124}O_{40}N_6P$	Other poultry excluding ducks, geese, laying hens, pigeons	6 months	5	20	—	—
			Piglets	4 months	5	50	—	—
			Pigs	6 months	5	20	—	—
			Calves	16 weeks	5	50	—	—
				6 months	5	20	—	—
				6 months	5	80	Milk replacers only	—
			Laying hens	—	2	5	—	—
			Turkeys	26 weeks	1	20	—	—
			Other poultry excluding ducks, geese, pigeons	16 weeks	1	20	—	—
			Piglets	3 months	10	25	Milk replacers only	—
Pigs	6 months	1	20	—	—			

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingsstuff	mg/kg of complete feedingsstuff		
			Animals bred for fur excluding rabbits	—	2	4	—	<p>Indicate in the instructions for use:</p> <p>— 'For supplementary feedingsstuff the maximum dose in the daily ration must not exceed:</p> <p>— for 100 kg bodyweight: 40 mg</p> <p>— above 100 kg: add 1,5 mg for each additional 10 kg bodyweight'</p>
			Calves	6 months	6	16	—	
				6 months	8	16	Milk replacers only	
			Cattle for fattening	—	2	10		
E 713	Tylosin	C <sub>46</sub> H <sub>77</sub> O <sub>17</sub> N (macrolide)	Piglets	4 months	10	40	—	
			Pigs	6 months	5	20	—	
E 714	Monensin sodium	C <sub>36</sub> H <sub>61</sub> O <sub>11</sub> Na (sodium salt of polyether monocarboxylic acid produced by <i>Streptomyces cinnamonensis</i> )	Cattle for fattening	—	10	40	<p>Indicate in the instructions for use:</p> <p>— 'For supplementary feedingsstuff, the maximum dose in the daily ration must not exceed:</p> <p>— for 100 kg bodyweight: 140 mg</p> <p>— above 100 kg: add 6 mg for each additional 10 kg bodyweight.</p> <p>Dangerous for equines'</p>	

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff			
E 715	Avoparcin	$C_{53}H_6O_{30}N_6Cl_3$ (glycopeptide)	Chickens for fattening Turkeys for fattening Piglets Pigs	— 16 weeks 4 months 6 months	7,5 10 10 5	15 20 40 20	— — — —	
E 300	<b>B. Antioxidants</b> L-Ascorbic acid	$C_6H_8O_6$	All species or categories of animals	—	—	—	All feedingstuffs	
E 301	Sodium L-ascorbate	$C_6H_7O_6Na$		—	—	—		
E 302	Calcium L-ascorbate	$C_{12}H_{14}O_{12}Ca \cdot 2H_2O$		—	—	—		
E 303	5,6-Diacetyl-L-ascorbic acid	$C_{10}H_{12}O_8$		—	—	—		
E 304	6-Palmitoyl-L-ascorbic acid	$C_{22}H_{38}O_7$		—	—	—		
E 306	Tocopherol-rich extracts of natural origin	—		—	—	—		
E 307	Synthetic alpha-toco- pherol	$C_{29}H_{50}O_2$		—	—	—		
E 308	Synthetic gamma-toco- pherol	$C_{28}H_{48}O_2$		—	—	—		

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions	
					mg/kg of complete feedingstuff				
E 309	Synthetic delta-tocopherol	$C_{27}H_{46}O_2$	All species or categories of animals	—	—	—	—	All feedingstuffs	
E 310	Propyl gallate	$C_{10}H_{12}O_5$							
E 311	Octyl gallate	$C_{15}H_{22}O_5$							100: alone or together
E 312	Dodecyl gallate	$C_{19}H_{30}O_5$							100: alone or together
E 320	Butylated hydroxyanisole (BHA)	$C_{11}H_{16}O_2$							150: alone or together
E 321	Butylated hydroxytoluene (BHT)	$C_{15}H_{24}O$							150: alone or together
E 324	Ethoxyquin	$C_{14}H_{19}ON$							150: alone or together
C. Aromatic and appetizing substances									
All natural products and corresponding synthetic products									
D. Coccidiostats and other medicinal substances									
E 750	Amprolium	1-[(4-amino-2-propylpyrimidin-5-yl) methyl]-2-methylpyridinium chloride hydrochloride	Poultry	—	62,5	125	Use prohibited from laying age onwards and at least 3 days before slaughter respectively		

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff	mg/kg of complete feedingstuff		
E 751	Amprolium/ethopabate (mixture of 25 parts of (a) amprolium and 1,6 parts of (b) ethopabate)	(a) 1-[4-amino-2-propylpyr- imidin-5-yl) methyl]-2- methylpyridinium chlor- ide hydrochloride (b) methyl 4-acetamido-2- ethoxybenzoate	Chickens, turkeys and guinea-fowl	—	66,5	133	Use prohibited from laying age onwards and at least 3 days before slaughter res- pectively	
E 752	Dinitolmide (DOT)	3,5-dinitro-2-toluamide	Poultry	—	62,5	125	Use prohibited from laying age onwards and at least 3 days be- fore slaughter respectively	
E 754	Dimetridazole	1,2-dimethyl-5-nitroimidazole	Turkeys	—	100	200	Use prohibited from laying age onwards and at least 6 days be- fore slaughter respectively	
			Guinea-fowl	—	125	150	Use prohibited from laying age onwards and at least 6 days be- fore slaughter respectively	
E 755	Metiolorpindol	3,5-dichloro-2,6-dimethylpyri- din-4-ol	Chickens for fattening, guinea-fowl	—	125	125	Use prohibited from laying age onwards and at least 5 days be- fore slaughter respectively	
			Rabbits	—	125	200	Use prohibited at least 5 days before slaughter	
E 756	Decoquinat	3-ethoxycarbonyl-4-hydroxy- 6-decyloxy-7-ethoxyquinoline	Chickens for fattening	—	20	40	Use prohibited at least 3 days before slaughter	

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff	mg/kg of complete feedingstuff		
E 757	Monensin sodium	$C_{36}H_{61}O_{11}Na$ (sodium salt of polyether monocarboxylic acid produced by <i>Streptomyces cinnamonensis</i> )	Chickens for fattening	—	100	125	Use prohibited at least 3 days before slaughter. Indicate in the instructions for use: 'Dangerous for equines'	
			Chickens reared for laying	16 weeks	100	120	Indicate in the instructions for use: 'Dangerous for equines'	
			Turkeys	16 weeks	90	100	Use prohibited at least 3 days before slaughter Indicate in the instructions for use: 'Dangerous for equines'	
E 758	Robenidine	1,3-bis[(4-chlorobenzylidene)-amino] guanidine hydrochloride	Chickens for fattening, turkeys	—	30	36	Use prohibited at least 5 days before slaughter	
			Rabbits for fattening	—	50	66	Use prohibited at least 5 days before slaughter	
E 759	Ronidazole	(1-methyl-5-nitroimidazol-2-yl)methylcarbamate	Turkeys	—	60	90	Use prohibited from laying age onwards and at least 6 days before slaughter respectively	
			Turkeys	—	50	85	Use prohibited from laying age onwards and at least 6 days before slaughter respectively	
E 760	Ipronidazole	1-methyl-2-isopropyl-5-nitroimidazole	Chickens for fattening	—	110	110	Use prohibited at least 5 days before slaughter	
			Chickens reared for laying	16 weeks	110	110	—	
E 761	Meticlorpindol/methylbenzoate (mixture of 100 parts of (a) meticlorpindol and 8,35 parts of (b) methylbenzoate)	(a) 3,5-dichloro-2,6-dimethylpyridin-4-ol  (b) 7-benzoyloxy-6-butyl-3-methoxycarbonyl-4-quinolone	Chickens for fattening	—	110	110	Use prohibited at least 5 days before slaughter	
			Chickens reared for laying	16 weeks	110	110	—	



EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maxi- mum content	Other provisions
					mg/kg of complete feedingstuff		
E 762	Arprinocid	9-(2-chloro-6-fluorobenzyl) adenine	Chickens for fattening	—	60	60	Use prohibited at least 5 days before slaughter
			Chickens reared for laying	16 weeks	60	60	—
E 763	Lasalocid sodium	C <sub>34</sub> H <sub>53</sub> O <sub>8</sub> Na (sodium salt of polyether monocarboxylic acid produced by Strepto- myces lasaliensis)	Chickens for fattening	—	75	125	Use prohibited at least 5 days before slaughter
			Chickens reared for laying	16 weeks	75	125	—
E 764	Halofuginone	dl-trans-7-bromo-6-chloro-3- [3-(3-hydroxy-2-piperidyl)ace- tonyl]-quinazolin-4-(3H)-one hydrobromide	Chickens for fattening	—	2	3	Use prohibited at least 5 days before slaughter
			Turkeys	12 weeks	2	3	Use prohibited at least 5 days before slaughter
E 765	Narasin	C <sub>43</sub> H <sub>72</sub> O <sub>11</sub> (polyether of mono- carboxylic acid produced by Streptomyces aureofaciens)	Chickens for fattening	—	60	70	Use prohibited at least 5 days before slaughter Indicate in the instructions for use: 'Dangerous for equines'
E 766	Salinomycin sodium	C <sub>42</sub> H <sub>69</sub> O <sub>11</sub> Na (sodium salt of polyether of monocarboxylic acid produced by Strepto- myces albus)	Chickens for fattening	—	50	70	Use prohibited at least 5 days before slaughter Indicate in the instructions for use: 'Dangerous for equines'

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff			
	<b>E. Emulsifiers, stabilizers, thickeners and gelling agents</b>							
E 322	Lecithins	—	All species or categories of animals	—	—	—	—	All feedingstuffs
E 400	Alginic acid	—		—	—	—	—	
E 401	Sodium alginate	—		—	—	—	—	
E 402	Potassium alginate	—		—	—	—	—	
E 403	Ammonium alginate	—	All species or categories of animals with the exception of aquarium fish	—	—	—		
E 404	Calcium alginate	—	All species or categories of animals	—	—	—		
E 405	Propane-1,2-diol alginate (Propyl-ene glycol alginate)	—		—	—	—		
E 406	Agar	—		—	—	—		
E 407	Carrageenan	—	All species or categories of animals	—	—	—		
E 408	Furcelleran	—		—	—	—		
E 410	Locust bean gum (Carob gum)	—		—	—	—		
E 411	Tamarind seed flour	—		—	—	—		

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff			
E 412	Guar gum	—	All species or categories of animals	—	—	—	All feedingstuffs	
E 413	Tragacanth	—		—	—	—		
E 414	Acacia (Gum arabic)	—		—	—	—		
E 415	Xanthan gum	—		—	—	—		
E 420	Sorbitol	—		—	—	—		
E 421	Mannitol	—		—	—	—		
E 422	Glycerol	—		—	—	—		
E 440	Pectins	—		—	—	—		
E 450 b(i)	Pentasodium triphosphate	—		Dogs, cats	—	—		5 000
E 460	Microcrystalline cellulose	—		All species or categories of animals	—	—		—
E 461	Methylcellulose	—			—	—		—
E 462	Ethylcellulose	—			—	—		—
E 463	Hydroxypropylcellulose	—			—	—		—

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff	mg/kg of complete feedingstuff		
E 464	Hydroxypropylmethylcellulose	—	All species or categories of animals	—	—	—	All feedingstuffs	
E 465	Ethylmethylcellulose	—		—	—	—		
E 466	Carboxymethylcellulose (sodium salt of carboxymethyl ether of cellulose)	—		—	—	—		
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	—		—	—	—		
E 471	Mono- and diglycerides of fatty acids	—		—	—	—		
E 472	Mono- and diglycerides of edible fatty acids esterified with the following acids:	—		(a) acetic	—	—		—
				(b) lactic	—	—		—
				(c) citric	—	—		—
				(d) tartaric	—	—		—
				(e) mono- and diacetyltartaric	—	—		—
E 473	Sucrose esters of fatty acids (esters of saccharose and edible fatty acids)	—		—	—	—		

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff	mg/kg of complete feedingstuff		
E 474	Sucroglycerides (mixture of esters of saccharose and mono- and diglycerides of edible fatty acids)	—		—	—	—	—	
E 475	Polyglycerol esters of non-polymerized edible fatty acids	—		—	—	—	—	
E 477	Mono-esters of propane-1,2-diol (propyleneglycol) and edible fatty acids, alone or in mixtures with diesters	—		—	—	—	—	
E 480	Stearoyl-2-lactic acid	—	All species or categories of animals	—	—	—	—	All feedingstuffs
E 481	Sodium stearoyl-2-lactylate	—		—	—	—	—	
E 482	Calcium stearoyl-2-lactylate	—		—	—	—	—	
E 483	Stearyl tartrate	—		—	—	—	—	
E 484	Glyceryl polyethylene-glycol ricinoleate	—		—	—	—	—	
E 486	Dextrans	—		—	—	—	—	
E 487	Polyethyleneglycol ester of fatty acids from soya oil	—	Calves	—	—	—	6 000	

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedstuff	mg/kg of complete feedstuff		
E 488	Polyoxyethylated glyceride of tallow fatty acids	—	Calves	—	—	5 000	Milk replacers only	
E 489	Ether of polyglycerol and of alcohols obtained by the reduction of oleic and palmitic acids	—	Calves	—	—	5 000		
E 490	Propane-1,2-diol	—	Dairy cows	—	—	12 000	All feedingsuffs	
E 491	Sorbitan monostearate	—	Cattle for fattening, calves, lambs, kids, pigs, poultry	—	—	36 000		
E 492	Sorbitan tristearate	—		—	—	—		
E 493	Sorbitan monolaurate	—	All species or categories of animals	—	—	—		
E 494	Sorbitan monooleate	—		—	—	—		
E 495	Sorbitan monopalmitate	—		—	—	—		
E 496	Polyethyleneglycol 6000	—		—	—	300		
E 497	Polyoxypropylene-polyoxyethylene polymers (M. W. 6800-9000)	—		—	—	50		

The Commission has adopted the following measures:

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content mg/kg of complete feedingstuff		Other provisions	
					Minimum content	Maximum content		
<b>F. Colouring matters including pigments</b>								
<b>1. Carotenoids and xanthophylls:</b>								
E 160c	Capsanthin	$C_{40}H_{56}O_3$	Poultry	—	—	—	80 (alone or with the other carotenoids and xanthophylls)	
E 160e	Beta-apo-8'-carotenal	$C_{30}H_{40}O$		—	—	—		
E 160f	Ethyl ester of beta-apo-8'-carotenoic acid	$C_{32}H_{44}O_2$		—	—	—		
E 161b	Lutein	$C_{40}H_{56}O_2$		—	—	—		
E 161c	Cryptoxanthin	$C_{40}H_{56}O$		—	—	—		
E 161e	Violaxanthin	$C_{40}H_{56}O_4$		—	—	—		
E 161g	Canthaxanthin	$C_{40}H_{52}O_2$		(a) Poultry (b) Dogs, cats	—	—		—
E 161h	Zeaxanthin	$C_{40}H_{56}O_2$		Poultry	—	—		—
E 161i	Citraxanthin	$C_{33}H_{44}O$		Laying hens	—	—		—

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff	—		
E 131	2.1. Patent Blue V	Calcium salt of the disulphonic acid of m-hydroxy-tetraethyl-diamino triphenylcarbinol anhydride	(a) All species or categories of animals with the exception of dogs and cats	—	—	—	Permitted in animal feeding-stuffs 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	
			b) Dogs, cats	—	—	—		
E 142	2.2. Acid Brilliant Green BS, (Lissamine Green)	Sodium salt of 4,4'-bis (dimethylamino) diphenylmethylen-2-naphthol-3,6-disulphonic acid	(a) All species or categories of animals with the exception of dogs and cats	—	—	—	Permitted in animal feeding-stuffs 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	
			b) Dogs, cats	—	—	—		
	3. All colouring agents authorized for colouring foodstuffs by Community rules, other than those already covered by 2.1 and 2.2	—	(a) All species or categories of animals with the exception of dogs and cats	—	—	—	Permitted in animal feeding-stuffs 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	
			b) Dogs, cats	—	—	—		



EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff			
<b>G. Preservatives</b>								
E 200	Sorbic acid	$C_6H_8O_2$	All species or categories of animals	—	—	—	All feedingstuffs	
E 201	Sodium sorbate	$C_6H_7O_2Na$		—	—	—		
E 202	Potassium sorbate	$C_6H_7O_2K$		—	—	—		
E 203	Calcium sorbate	$C_{12}H_{14}O_4Ca$		—	—	—		
E 214	Ethyl 4-hydroxybenzoate	$C_9H_{10}O_3$		—	—	—		
E 215	Sodium ethyl 4-hydroxybenzoate	$C_9H_9O_3Na$	Pets	—	—	—		
E 216	Propyl 4-hydroxybenzoate	$C_{10}H_{12}O_3$		—	—	—		
E 217	Sodium propyl 4-hydroxybenzoate	$C_{10}H_{11}O_3Na$		—	—	—		
E 218	Methyl 4-hydroxybenzoate	$C_8H_8O_3$		—	—	—		
E 219	Sodium methyl-4-hydroxybenzoate	$C_8H_7O_3Na$		—	—	—		

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingsstuff	mg/kg of complete feedingsstuff		
E 222	Sodium bisulphite	$\text{NaHSO}_3$	Dogs, cats	—	—	separately or together: 500 expressed as $\text{SO}_2$	All feedingsstuffs except unprocessed meat and fish	
E 223	Sodium metabisulphite	$\text{Na}_2\text{S}_2\text{O}_5$		—	—			
E 236	Formic acid	$\text{CH}_2\text{O}_2$	All species or categories of animals	—	—	—	All feedingsstuffs	
E 237	Sodium formate	$\text{CHO}_2\text{Na}$		—	—	—		
E 238	Calcium formate	$\text{C}_2\text{H}_2\text{O}_4\text{Ca}$		—	—	—		
E 240	Formaldehyde	$\text{CH}_2\text{O}$	Pigs	6 months	—	—	Skimmed milk only: maximum content: 600 mg/kg	
E 260	Acetic acid	$\text{C}_2\text{H}_4\text{O}_2$	All species or categories of animals	—	—	—	All feedingsstuffs	
E 261	Potassium acetate	$\text{C}_2\text{H}_3\text{O}_2\text{K}$		—	—	—		
E 262	Sodium diacetate	$\text{C}_4\text{H}_7\text{O}_4\text{Na}$		—	—	—		
E 263	Calcium acetate	$\text{C}_4\text{H}_6\text{O}_4\text{Ca}$	All species or categories of animals	—	—	—	All feedingsstuffs	
E 270	Lactic acid	$\text{C}_3\text{H}_6\text{O}_3$	All species or categories of animals	—	—	—	All feedingsstuffs	
E 280	Propionic acid	$\text{C}_3\text{H}_6\text{O}_2$		—	—	—		
E 281	Sodium propionate	$\text{C}_3\text{H}_5\text{O}_2\text{Na}$		—	—	—		

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content mg/kg of complete feedingstuff		Maximum content	Other provisions
					Minimum content	Maximum content		
E 282	Calcium propionate	$C_6H_{10}O_4Ca$		—	—	—	—	
E 283	Potassium propionate	$C_3H_5O_2K$		—	—	—	—	
E 284	Ammonium propionate	$C_3H_9O_2N$		—	—	—	—	
E 295	Ammonium formate	$CH_5O_2N$		—	—	—	—	
E 296	D, L-Malic acid	$C_4H_6O_5$		—	—	—	—	
E 297	Fumaric acid	$C_4H_4O_4$		—	—	—	—	
E 325	Sodium lactate	$C_3H_5O_3Na$		—	—	—	—	
E 326	Potassium lactate	$C_3H_5O_3K$		—	—	—	—	
E 327	Calcium lactate	$C_6H_{10}O_6Ca$		—	—	—	—	
E 330	Citric acid	$C_6H_8O_7$		—	—	—	—	
E 331	Sodium citrates	—		—	—	—	—	
E 332	Potassium citrates	—		—	—	—	—	
E 333	Calcium citrates	—		—	—	—	—	
E 334	L-Tartaric acid	$C_4H_6O_6$		—	—	—	—	
			All species or categories of animals					All feedingstuffs

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content mg/kg of complete feedingstuff		Maximum content	Other provisions
					Minimum content	Maximum content		
E 335	Sodium L-tartrates	—	All species or categories of animals	—	—	—	All feedingstuffs	
E 336	Potassium L-tartrates	—		—	—	—		
E 337	Potassium sodium L-tartrate	$C_4H_4O_6KNa \cdot 4H_2O$		—	—	—		
E 338	Orthophosphoric acid	$H_3PO_4$		—	—	—		
E 490	Propane-1,2-diol	$C_3H_8O_2$	Dogs	—	—	53 000		

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Maximum con- tent in/kg of complete feed- ingstuff or of the daily ration	Other provisions											
E 670	H. Vitamins, provitamins and chemically well-defined substances having a similar effect  1. Vitamin D: Vitamin D <sub>2</sub>	—															
							Pigs	—	2 000	—							
							Piglets	—	10 000	Milk replacers only							
							Bovines	—	4 000	—							
							Ovines	—	4 000	—							
							Calves	—	10 000	Milk replacers only							
							Equines	—	4 000	—							
							Other species or categories of animals with the exception of poultry	—	2 000	—							
							E 671	Vitamin D <sub>3</sub>	—				Simultaneous use of vitamin D <sub>3</sub> prohibited				
														Pigs	—	2 000	—
														Piglets	—	10 000	Milk replacers only
														Bovines	—	4 000	—
Ovines	—	4 000	—														
Calves	—	10 000	Milk replacers only														
Equines	—	4 000	—														
Chickens for fattening	—	5 000	—														

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Maximum con- tent in/kg of complete feed- ingstuff or of the daily ration	Other provisions
			Turkeys	---	5 000	---
			Other poultry	---	3 000	---
			Other species or categories of animals	---	2 000	Simultaneous use of vitamin D <sub>2</sub> prohibited
	2. All substances in the group except vitamin D	---	All species or categories of animals	---	---	All feeding- stuffs

EEC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of the complete feedingstuff
E 1	<b>I. Trace elements</b> Iron — Fe	Ferrous fumarate Ferrous citrate, hexahydrate Ferrous carbonate Ferrous chloride, tetrahydrate Ferric chloride, hexahydrate Ferric oxide Ferrous sulphate, heptahydrate Ferrous lactate, trihydrate	$\text{FeC}_4\text{H}_2\text{O}_4$ $\text{Fe}_3(\text{C}_6\text{H}_5\text{O}_7)_2 \cdot 6\text{H}_2\text{O}$ $\text{FeCO}_3$ $\text{FeCl}_2 \cdot 4\text{H}_2\text{O}$ $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$ $\text{Fe}_2\text{O}_3$ $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ $\text{Fe}(\text{C}_3\text{H}_5\text{O}_3)_2 \cdot 3\text{H}_2\text{O}$	1 250 (total)
E 2	Iodine — I	Calcium iodate, hexahydrate Calcium iodate, anhydrous Sodium iodide Potassium iodide	$\text{Ca}(\text{IO}_3)_2 \cdot 6\text{H}_2\text{O}$ $\text{Ca}(\text{IO}_3)_2$ $\text{NaI}$ $\text{KI}$	40 (total)
E 3	Cobalt — Co	Cobaltous acetate, tetrahydrate Basic cobaltous carbonate, monohydrate Cobaltous chloride, hexahydrate Cobaltous sulphate, heptahydrate Cobaltous sulphate, monohydrate Cobaltous nitrate, hexahydrate	$\text{Co}(\text{CH}_3\text{COO})_2 \cdot 4\text{H}_2\text{O}$ $2\text{CoCO}_3 \cdot 3\text{Co}(\text{OH})_2 \cdot \text{H}_2\text{O}$ $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$ $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$ $\text{CoSO}_4 \cdot \text{H}_2\text{O}$ $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$	10 (total)
E 4	Copper — Cu	Cupric acetate, monohydrate Cupric methionate	$\text{Cu}(\text{CH}_3\text{COO})_2 \cdot \text{H}_2\text{O}$ $\text{Cu}(\text{C}_5\text{H}_{10}\text{NO}_2\text{S})_2$	Pigs for fattening: — up to 16 weeks: 175 (total)

EEC No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of the complete feedingstuff	
E 5	Manganese --- Mn	Basic cupric carbonate, monohydrate	$\text{CuCO}_3 \cdot \text{Cu}(\text{OH})_2 \cdot \text{H}_2\text{O}$	— from 17th week to 6 months: 100 (total)	
		Cupric chloride, dihydrate	$\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$	— over 6 months: 50 (total)	
		Cupric oxide	CuO	Breeding pigs: 50 (total)	
		Cupric sulphate, pentahydrate	CuSO <sub>4</sub> · 5H <sub>2</sub> O	Calves:	— milk replacers: 30 (total)
				— other complete feedingstuffs:	50 (total)
				Ovines:	20 (total)
				Other species or categories of animals:	50 (total)
		Manganous carbonate	MnCO <sub>3</sub>	250 (total)	
		Manganous chloride, tetrahydrate	MnCl <sub>2</sub> · 4H <sub>2</sub> O		
		Manganous hydrogen phosphate, trihydrate	MnHPO <sub>4</sub> · 3H <sub>2</sub> O		
Manganous oxide	MnO				
Manganic oxide	Mn <sub>2</sub> O <sub>3</sub>				
Manganous sulphate, tetrahydrate	MnSO <sub>4</sub> · 4H <sub>2</sub> O				
Manganous sulphate, monohydrate	MnSO <sub>4</sub> · H <sub>2</sub> O				
E 6	Zinc — Zn	Zinc lactate, trihydrate	$\text{Zn}(\text{C}_3\text{H}_5\text{O}_3)_2 \cdot 3\text{H}_2\text{O}$	250 (total)	
		Zinc acetate, dihydrate	$\text{Zn}(\text{CH}_3\text{COO})_2 \cdot 2\text{H}_2\text{O}$		
		Zinc carbonate	ZnCO <sub>3</sub>		
		Zinc chloride, monohydrate	ZnCl <sub>2</sub> · H <sub>2</sub> O		
		Zinc oxide	ZnO		
		Zinc sulphate, heptahydrate	ZnSO <sub>4</sub> · 7H <sub>2</sub> O		
		Zinc sulphate, monohydrate	ZnSO <sub>4</sub> · H <sub>2</sub> O		



EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff	mg/kg of complete feedingstuff		
<b>J. Growth promoters</b>								
<b>L. Binders, anti-caking agents and coagulants</b>								
E 330	Citric acid	$C_6H_8O_7$		—	—	—	—	All feedingstuffs. Compliance with provisions of Article 16 (1) (g)
E 470	Sodium, potassium and calcium stearates	$C_{18}H_{35}O_2Na$ , $C_{18}H_{33}O_2K$ and $C_{36}H_{70}O_4Ca$		—	—	—	—	All feedingstuffs
E 551a	Silicic acid, precipitated and dried	—		—	—	—	—	
E 551b	Colloidal silica	—		—	—	—	—	
E 551c	Kieselguhr (diatomaceous earth, purified)	—	All species or categories of animals	—	—	—	—	
E 552	Calcium silicate, synthetic	—		—	—	—	—	
E 554	Sodium aluminosilicate, synthetic	—		—	—	—	—	
E 559	Kaolinic clays, free of asbestos	Naturally occurring mixtures of minerals containing at least 65 % complex hydrated aluminium silicates whose main constituent is kaolinite		—	—	—	—	

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff	mg/kg of complete feedingstuff		
E 560	Natural mixture (approximately 1:1) of steatite and chlorite, free of asbestos	—	All species or categories of animals	—	—	—	All feedingstuffs	
E 561	Vermiculite	Natural silicate of magnesium, aluminium and iron, expanded by heating, free of asbestos. Maximum fluorine content: 0,3 %		—	—	—		
E 565	Lignosulphonates	—		—	—	—		

## ANNEX II

No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions	Period of authorization
					mg/kg of complete feedingstuff	mg/kg of complete feedingstuff			
21	A. Antibiotics Virginiamycin	I. $C_{28}H_{35}O_7N_3$ II. $C_{43}H_{49}O_{10}N_7$	Laying hens	—	10	20	30. 11. 1985	—	30. 11. 1985
					15	40			
22	Avoparcin	$C_{53}H_6O_{30}N_6Cl_3$ (glycopeptide)	Calves	6 months	15	45	30. 11. 1985	—	30. 11. 1985
			Cattle for fattening	—	15	45			
25	Nosiheptide	$C_{34}H_{43}O_{13}N_{13}S_6$	Chickens for fattening	—	1	10	30. 11. 1985	Use prohibited at least 5 days before slaughter	30. 11. 1985
			Pigs	6 months	2	20			
	B. Antioxidants								
6	D. Coccidiostats and other medicinal substances Nicarbazine	Equimolecular complex of 1,3-bis (4-nitrophenyl) urea and 4,6-dimethylpyrimidin-2-ol	Chickens for fattening	—	100	125	30. 11. 1985	Use prohibited at least 7 days before slaughter	30. 11. 1985

Indicate in the instructions for use:  
'For supplementary feeding-stuffs, the maximum dose in the daily ration must not exceed:

- for 100 kg bodyweight: 155 mg
- above 100 kg: add 6,5 mg for each additional 10 kg bodyweight'

No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions	Period of authorization
					mg/kg of complete feedingstuff	mg/kg of complete feedingstuff			
16	Meticlorpindol/methylbenzoate (mixture of 100 parts of (a) meticlorpindol and 8,35 parts of (b) methylbenzoate)	(a) 3,5-dichloro-2,6-dimethylpyridin-4-ol (b) 7-benzyloxy-6-butyl-3-methoxy-carbonyl-4-quinolone	Turkeys	12 weeks	110	110	110	Use prohibited at least 5 days before slaughter	30. 11. 1985
19	Nifursol	3,5-dinitro-2'-(5-nitrofurfurylidene) salicylhydrazine	Turkeys	—	—	—	75	Use prohibited at least 5 days before slaughter	30. 11. 1985
7	<b>E. Emulsifiers, stabilizers, thickeners and gelling agents</b> Karaya gum	—	All species or categories of animals	—	—	—	—	All feedingstuffs	30. 11. 1985
8	Partial polyglycerol esters of polycondensed fatty acids of castor oil	—		—	—	—	—		30. 11. 1985
12	Polyoxyethylene (20) sorbitan monolaurate	—		—	—	—	—		30. 11. 1985
13	Polyoxyethylene (20) sorbitan monopalmitate	—		—	—	—	—		30. 11. 1985
14	Polyoxyethylene (20) sorbitan monostearate	—		—	—	—	—		30. 11. 1985
15	Polyoxyethylene (20) sorbitan tristearate	—		—	—	—	—		30. 11. 1985
16	Polyoxyethylene (20) sorbitan mono-oleate	—		—	—	—	—		30. 11. 1985

No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions	Period of authorization
					mg/kg of complete feedingstuff	mg/kg of complete feedingstuff			
17	Polyoxyethylene (8) stearate	—	All species or categories of animals	—	—	—	All feedingstuffs	30. 11. 1985	
18	Polyoxyethylene (40) stearate	—		—	—	—		30. 11. 1985	
29	Polyoxyethylene (20) sorbitan trioleate (synonym: polysorbate 85)	—		—	—	—		30. 11. 1985	
<b>F. Colouring matters including pigments</b>									
2	Canthaxanthin	$C_{40}H_{52}O_2$	Salmon, trout	—	—	200	—	30. 11. 1985	
3	Amaranth	Trisodium salt of 1-(4-sulfo-1-naphthylazo)-2-naphthol-3,6-disulphonic acid	All species or categories of animals	—	—	—	Permitted in animal feedingstuffs only in products processed from denatured cereals	30. 11. 1985	
<b>G. Preservatives</b>									
3	Hydrochloric acid	HCl	All species or categories of animals	—	—	—	For ensilage only	30. 11. 1985	
4	Sulphuric acid	$H_2SO_4$		—	—	—	For ensilage only	30. 11. 1985	
5	Formaldehyde	$CH_2O$		—	—	—	All feedingstuffs except skimmed milk for pigs up to 6 months of age	30. 11. 1985	

No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions	Period of authorization
					mg/kg of complete feedingsstuff	mg/kg of complete feedingsstuff			
16	Sodium nitrite (E 250)	$\text{NaNO}_2$	Dogs, cats	—	—	—	200	All feedingsstuffs	30. 11. 1985
19	Propane-1,2-diol	$\text{C}_3\text{H}_8\text{O}_2$	Cats	—	—	—	—	All feedingsstuffs	30. 11. 1985
No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of the complete feedingsstuff	Period of authorization				
1	<b>I. Trace elements</b> Molybdenum — Mo	—	—	2,5	—				
2	Selenium — Se	—	—	0,5	—				
No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions	Period of authorization
					mg/kg of complete feedingsstuff	mg/kg of complete feedingsstuff			
1	<b>J. Growth promoters</b> Nitrovin	1,5-di(5-nitro-2-furyl)-1,4-pentadien-3-one-amidinohydrozone hydrochloride	Chickens for fattening Turkeys	— 26 weeks	10 10	15 15	For all feedingsstuffs mixing or simultaneous use with antibiotics prohibited	30. 11. 1985 30. 11. 1985	

No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content mg/kg of complete feedingstuff		Maximum content	Other provisions	Period of authorization
					Minimum content	Maximum content			
2	Carbadox	methyl 3-(2-quinoxalinyloxy)- methylene)carbazate-N <sup>1</sup> , N <sup>4</sup> - dioxide Minimum purity: 96 % Minimum stability: 24 months	Other poultry except ducks, geese, laying hens, pigeons	16 weeks	10	15			30. 11. 1985
			Calves	6 months	20	40			30. 11. 1985
					40	80		Milk replacers only	30. 11. 1985
			Piglets	10 weeks	10	25			30. 11. 1985
				—	20	30		Milk replacers only	30. 11. 1985
				6 months	5	15			30. 11. 1985
				4 months	20	50		Use prohibited at least 4 weeks before slaughter. Mixing or simultaneous use with antibiotics prohibited. Maximum amount of dust emitted during handling, as determined by the method of Stauber Heubach (1): 0,1 µg carbadox	31. 10. 1985
3	Olaquinox	2-[N-2'-(hydroxyethyl)carbamoyl]-3-methylquinoxaline-N <sup>1</sup> , N <sup>3</sup> -dioxide					For all feedingstuffs: — use prohibited at least 4 weeks before slaughter		

No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions	Period of authorization
					mg/kg of complete feedingsstuff	mg/kg of complete feedingsstuff			
		Minimum purity: 98 % Minimum stability: 24 months						— mixing or simultaneous use with antibiotics prohibited — maximum amount of dust emitted during handling as determined by the method of Stauber Heubach (1): 0,1 µg olaquin-dox.	31. 10. 1985 31. 10. 1985
	<b>L. Binders, anti-caking agents and coagulants</b>								
1	Bentonite and montmorillonite	—	All species or categories of animals	—	—	—	All feedingsstuffs		30. 11. 1985
4	Natural mixtures of steatite and chlorite free of asbestos, other than the mixture E 560	—		—	—	—			30. 11. 1985
5	Perlite	Natural silicate of sodium and aluminium, expanded by heating, free of asbestos		—	—	—			30. 11. 1985

(1) Literature references: Fresenius Z Anal Chem (1984) 318: 522-524 Springer Verlag 1984.