

Official Journal

of the European Communities

ISSN 0378-6978

L 245

Volume 28

12 September 1985

English edition

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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 ANDRIESSEN
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
					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	—	—
				4 weeks	5	50	—	—
				16 weeks	5	20	—	—
			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	—
E 710	Spiramycin	I $C_{43}H_{74}O_{14}N_2$ II $C_{43}H_{76}O_{15}N_2$ III $C_{46}H_{78}O_{15}N_2$ (makrolide) } base	Animals bred for fur excluding rabbits	6 months	5	20	—	—
				—	5	20	—	—
				26 weeks	5	20	—	—
			Turkeys	16 weeks	5	20	—	—
					5	20	—	—
					5	20	—	—
			Other poultry excluding ducks, geese, laying hens, pigeons	16 weeks	5	20	—	—
					5	20	—	—
					5	20	—	—
					5	20	—	—

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	mg/kg of complete feedingstuff		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	—
			Other poultry excluding ducks, geese, laying hens, pigeons	16 weeks	5	20	—
			Piglets	4 months	5	50	—
			Pigs	6 months	5	20	—
			Calves	16 weeks	5	50	—
				6 months	5	20	—
E 712	Flavophospholipol	$C_{70}H_{124}O_{40}N_6P$		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 feedingstuff			
			Animals bred for fur exclud- ing rabbits	—	2	4	—	
			Calves	6 months	6	16	—	
			Cattle for fattening	6 months	8	16	Milk replacers only	
				—	2	10	Indicate in the instructions for use: — 'For supplementary feed- ingstuffs the maximum dose in the daily ration must not exceed: — for 100 kg bodyweight: 40 mg — above 100 kg: add 1,5 mg for each addi- tional 10 kg bodyweight'	
E 713	Tylosin	C ₄₆ H ₇₇ O ₁₇ N (macrolide)	Piglets	4 months	10	40	—	
			Pigs	6 months	5	20	—	
E 714	Monensin sodium	C ₃₆ H ₆₁ O ₁₁ Na (sodium salt of polyether monocarboxylic acid produced by Strepto- myces cinnamonensis)	Cattle for fattening	—	10	40	Indicate in the instructions for use: — 'For supplementary feed- ingstuffs, the maximum dose in the daily ration must not exceed: — for 100 kg bodyweight: 140 mg — above 100 kg: add 6 mg for each additional 10 kg bodyweight. Dangerous for equines'	

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

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 751	Amprolium/ethopabate (mixture of 25 parts of (a) anprolium 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	
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	Meticlorpindol	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 mg/kg of complete feedingstuff		Other provisions
					Minimum content	Maximum content	
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
E 760	Ipronidazole	1-methyl-2-isopropyl-5-nitroimidazole	Turkeys	—	50	85	Use prohibited from laying age onwards and at least 6 days before slaughter respectively
E 761	Metiolorpindol/methylbenzoate (mixture of 100 parts of (a) metiolorpindol and 8,35 parts of (b) methylbenzoate)	(a) 3,5-dichloro-2,6-dimethylpyridin-4-ol	Chickens for fattening	—	110	110	Use prohibited at least 5 days before slaughter
		(b) 7-benzoyloxy-6-butyl-3-methoxycarbonyl-4-quinolone	Chickens reared for laying	16 weeks	110	110	—

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 762	Arprinocid	9-(2-chloro-6-fluorobenzyl) adenine	Chickens for fattening	—	60	60	60	Use prohibited at least 5 days before slaughter
			Chickens reared for laying	16 weeks	60	60	60	—
E 763	Lasalocid sodium	C ₃₄ H ₅₃ O ₈ Na (sodium salt of polyether monocarboxylic acid produced by Strepto- myces lasaliensis)	Chickens for fattening	—	75	125	125	Use prohibited at least 5 days before slaughter
			Chickens reared for laying	16 weeks	75	125	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	3	Use prohibited at least 5 days before slaughter
			Turkeys	12 weeks	2	3	3	Use prohibited at least 5 days before slaughter
E 765	Narasin	C ₄₃ H ₇₂ O ₁₁ (polyether of mono- carboxylic acid produced by Streptomyces aureofaciens)	Chickens for fattening	—	60	70	70	Use prohibited at least 5 days before slaughter Indicate in the instructions for use: 'Dangerous for equines'
E 766	Salinomycin sodium	C ₄₂ H ₆₉ O ₁₁ Na (sodium salt of polyether of monocarboxylic acid produced by Strepto- myces albus)	Chickens for fattening	—	50	70	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			
E 322	E. Emulsifiers, stabilizers, thickeners and gelling agents	—	All species or categories of animals	—	—	—	—	All feedingstuffs
E 400	Alginic acid	—	All species or categories of animals	—	—	—	—	All feedingstuffs
E 401	Sodium alginate	—		—	—	—	—	
E 402	Potassium alginate	—		—	—	—	—	
E 403	Ammonium alginate	—	All species or categories of animals with the exception of aquarium fish	—	—	—	—	All feedingstuffs
E 404	Calcium alginate	—		—	—	—	—	
E 405	Propane-1,2-diol alginate (Propyl-ene glycol algin- ate)	—		—	—	—	—	
E 406	Agar	—	All species or categories of animals	—	—	—	—	All feedingstuffs
E 407	Carrageenan	—		—	—	—	—	
E 408	Furcelleran	—		—	—	—	—	
E 410	Locust bean gum (Carob gum)	—	All species or categories of animals	—	—	—	—	All feedingstuffs
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		Maxi- mum content	Other provisions
					mg/kg of complete feedingstuff			
E 464	Hydroxypropylmethylcel- lulose	—	All species or categories of animals	—	—	—	All feedingstuffs	
E 465	Ethylmethylcellulose	—		—	—	—		
E 466	Carboxymethylcellulose (sodium salt of carboxy- methyl ether of cellulose)	—		—	—	—		
E 470	Sodium, potassium and calcium salts of edible fat- ty acids, alone or in mix- tures, derived either from edible fats or from dis- tilled edible fatty acids	—		—	—	—		
E 471	Mono- and diglycerides of fatty acids	—		—	—	—		
E 472	Mono- and diglycerides of edible fatty acids esteri- fied with the following acids:							
	(a) acetic	—			—	—		
	(b) lactic	—			—	—		
	(c) citric	—			—	—		
	(d) tartaric	—			—	—		
	(e) mono- and diacetyl- tartaric	—		—	—			
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			
E 474	Sucroglycerides (mixture of esters of sac- charose and mono- and diglycerides of edible fatty acids)	—	All species or categories of animals	—	—	—	All feedingstuffs	
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	—		—	—	—		
E 481	Sodium stearoyl-2-lactyl- ate	—		—	—	—		
E 482	Calcium stearoyl-2-lactyl- ate	—		—	—	—		
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 feedingstuff		
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 feedingstuffs
E 491	Sorbitan monostearate	—	Cattle for fattening, calves, lambs, kids, pigs, poultry	—	—	36 000	
E 492	Sorbitan tristearate	—		—	—	—	
E 493	Sorbitan monolaurate	—		—	—	—	
E 494	Sorbitan monooleate	—		—	—	—	
E 495	Sorbitan monopalmitate	—	All species or categories of animals	—	—	—	
E 496	Polyethyleneglycol 6000	—		—	—	300	
E 497	Polyoxypropylene-polyoxyethylene polymers (M. W. 6800-9000)	—		—	—	50	

Information on the additives listed in this table can be found in the following documents:

Commission Regulation (EEC) No 1831/2003 of 22 September 2003 on the use of additives for use in animal nutrition

Commission Regulation (EEC) No 1831/2003 of 22 September 2003 on the use of additives for use in animal nutrition

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions
					mg/kg of complete feedingstuff		
	F. Colouring matters including pigments						
	1. Carotenoids and xanthophylls:						
E 160c	Capsanthin	C ₄₀ H ₅₆ O ₃	Poultry	—	—	—	—
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	(a) Poultry (b) Dogs, cats	—	—	—	—
E 161g	Canthaxanthin	C ₄₀ H ₅₂ O ₂		—	—	—	—
E 161h	Zeaxanthin	C ₄₀ H ₅₆ O ₂	Poultry	—	—	—	—
E 161i	Citraxanthin	C ₃₃ H ₄₄ O ₂	Laying hens	—	—	—	—
	2. Anthraquinones:						
E 162	Disodium 6'-sulphamoyl-2,2'-bis(4-sulphatophenyl)-5,5'-bibenzimidate	C ₂₄ H ₁₂ N ₂ O ₁₀ S ₄	Poultry	—	—	—	—
E 163	Disodium 6'-sulphamoyl-2,2'-bis(4-sulphatophenyl)-5,5'-bibenzimidate	C ₂₄ H ₁₂ N ₂ O ₁₀ S ₄		—	—	—	—

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 disulphon- ic acid of m-hydroxy-tetra- ethylamino triphenylcarbin- ol anhydride	(a) All species or categories of animals with the excep- tion of dogs and cats	—	—	—	Permitted in animal feeding- stuffs only in products pro- cessed from: (i) waste products of foodstuffs, (ii) denatured cereals or manioc flour, or (iii) other base substances dena- tured by means of these agents or coloured during technical preparation to en- sure the necessary identifica- tion during manufacture	
			b) Dogs, cats	—	—	—		
E 142	2.2. Acid Brilliant Green BS, (Lissamine Green)	Sodium salt of 4,4'- bis (dime- thylamino) diphenylmethyl- ene-2-naphthol-3,6-disulphon- ic acid	(a) All species or categories of animals with the excep- tion of dogs and cats	—	—	—	Permitted in animal feeding- stuffs only in products pro- cessed from: (i) waste products of foodstuffs, (ii) denatured cereals or manioc flour, or (iii) other base substances dena- tured by means of these agents or coloured during technical preparation to en- sure the necessary identifica- tion during manufacture	
			b) Dogs, cats	—	—	—		
	3. All colouring agents authorized for colouring foodstuffs by Community rules, other than those al- ready covered by 2.1 and 2.2	—	(a) All species or categories of animals with the excep- tion of dogs and cats	—	—	—	Permitted in animal feeding- stuffs only in products pro- cessed from: (i) waste products of food- stuffs, or (ii) other base substances, with the exception of cereals and manioc flour, denatured by means of these agents or col- oured during technical pre- paration to ensure the neces- sary identification during manufacture	
			b) Dogs, cats	—	—	—		

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content mg/kg of complete feedingstuff		Maximum content	Other provisions
	G. Preservatives							
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	Maxi- mum content	Other provisions
					mg/kg of complete feedingstuff		
E 222	Sodium bisulphite	NaHSO ₃	Dogs, cats	—	—	separately or together: 500 expressed as SO ₂	All feedingstuffs except unprocessed meat and fish
E 223	Sodium metabisulphite	Na ₂ S ₂ O ₅		—	—		
E 236	Formic acid	CH ₂ O ₂	All species or categories of animals	—	—	—	All feedingstuffs
E 237	Sodium formate	CHO ₂ Na		—	—	—	
E 238	Calcium formate	C ₅ H ₅ O ₄ Ca		—	—	—	
E 240	Formaldehyde	CH ₂ O	Pigs	6 months	—	—	Skimmed milk only: maximum content: 600 mg/kg
E 260	Acetic acid	C ₂ H ₄ O ₂	Poultry	—	—	—	All feedingstuffs
E 261	Potassium acetate	C ₂ H ₃ O ₂ K		—	—	—	
E 262	Sodium diacetate	C ₄ H ₇ O ₄ Na		—	—	—	
E 263	Calcium acetate	C ₄ H ₆ O ₄ Ca	All species or categories of animals	—	—	—	All feedingstuffs
E 270	Lactic acid	C ₃ H ₆ O ₃	Poultry	—	—	—	All feedingstuffs
E 280	Propionic acid	C ₃ H ₆ O ₂		—	—	—	
E 281	Sodium propionate	C ₃ H ₅ O ₂ Na		—	—	—	

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 282	Calcium propionate	C ₆ H ₁₀ O ₄ Ca	All species or categories of animals	—	—	—	All feedingstuffs	
E 283	Potassium propionate	C ₃ H ₅ O ₂ K		—	—	—		
E 284	Ammonium propionate	C ₃ H ₉ O ₂ N		—	—	—		
E 295	Ammonium formate	CH ₅ O ₂ N		—	—	—		
E 296	D, L-Malic acid	C ₄ H ₆ O ₅		—	—	—		
E 297	Fumaric acid	C ₄ H ₄ O ₄		—	—	—		
E 325	Sodium lactate	C ₃ H ₅ O ₃ Na		—	—	—		
E 326	Potassium lactate	C ₃ H ₅ O ₃ K		—	—	—		
E 327	Calcium lactate	C ₆ H ₁₀ O ₆ Ca		—	—	—		
E 330	Citric acid	C ₆ H ₈ O ₇		—	—	—		
E 331	Sodium citrates	—		—	—	—		
E 332	Potassium citrates	—		—	—	—		
E 333	Calcium citrates	—		—	—	—		
E 334	L-Tartaric acid	C ₄ H ₆ O ₆		—	—	—		

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 335	Sodium L-tartrates	—	All species or categories of animals	—	—	—	All feedingstuffs
E 336	Potassium L-tartrates	—		—	—	—	
E 337	Potassium sodium L- tartrate	C ₄ H ₄ O ₆ KNa.4H ₂ O		—	—	—	
E 338	Orthophosphoric acid	H ₃ PO ₄		—	—	—	
E 490	Propane-1,2-diol	C ₃ H ₈ O 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 ₂	—	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 ₃	—	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	—

Simultaneous
use of vitamin
D₃ prohibitedSimultaneous
use of vitamin
D₂ prohibited

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Maximum con- tent iu/kg of complete feed- ingstuff or of the daily ration	Other provisions
2. All substances in the group except vitamin D		—	Turkeys	—	5 000	Simultaneous use of vitamin D ₂ prohibited
			Other poultry	—	3 000	
			Other species or categories of animals	—	2 000	
			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	I. Trace elements Iron — Fe	Ferrous fumarate	$\text{FeC}_4\text{H}_2\text{O}_4$	1 250 (total)
		Ferrous citrate, hexahydrate	$\text{Fe}_3(\text{C}_6\text{H}_5\text{O}_7)_2 \cdot 6\text{H}_2\text{O}$	
		Ferrous carbonate	FeCO_3	
		Ferrous chloride, tetrahydrate	$\text{FeCl}_2 \cdot 4\text{H}_2\text{O}$	
		Ferric chloride, hexahydrate	$\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$	
		Ferric oxide	Fe_2O_3	
		Ferrous sulphate, heptahydrate	$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	
		Ferrous lactate, trihydrate	$\text{Fe}(\text{C}_3\text{H}_5\text{O}_3)_2 \cdot 3\text{H}_2\text{O}$	
		Calcium iodate, hexahydrate	$\text{Ca}(\text{IO}_3)_2 \cdot 6\text{H}_2\text{O}$	
		Calcium iodate, anhydrous	$\text{Ca}(\text{IO}_3)_2$	
E 2	Iodine — I	Sodium iodide	NaI	40 (total)
		Potassium iodide	KI	
		Cobaltous acetate, tetrahydrate	$\text{Co}(\text{CH}_3\text{COO})_2 \cdot 4\text{H}_2\text{O}$	
		Basic cobaltous carbonate, monohydrate	$2\text{CoCO}_3 \cdot 3\text{Co}(\text{OH})_2 \cdot \text{H}_2\text{O}$	
E 3	Cobalt — Co	Cobaltous chloride, hexahydrate	$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	10 (total)
		Cobaltous sulphate, heptahydrate	$\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$	
		Cobaltous sulphate, monohydrate	$\text{CoSO}_4 \cdot \text{H}_2\text{O}$	
		Cobaltous nitrate, hexahydrate	$\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$	
		Cupric acetate, monohydrate	$\text{Cu}(\text{CH}_3\text{COO})_2 \cdot \text{H}_2\text{O}$	
		Cupric methionate	$\text{Cu}(\text{C}_5\text{H}_{10}\text{NO}_2\text{S})_2$	
E 4	Copper — Cu			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	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	Calves: — milk replacers: 30 (total)
				— other complete feedingstuffs: 50 (total)
				Ovines: 20 (total)
				Other species or categories of animals: 50 (total)
				250 (total)
		Manganous carbonate	MnCO_3	
		Manganous chloride, tetrahydrate	$\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$	
E 6	Zinc — Zn	Manganous hydrogen phosphate, trihydrate	$\text{MnHPO}_4 \cdot 3\text{H}_2\text{O}$	
		Manganous oxide	MnO	
		Manganic oxide	Mn_2O_3	
		Manganous sulphate, tetrahydrate	$\text{MnSO}_4 \cdot 4\text{H}_2\text{O}$	
		Manganous sulphate, monohydrate	$\text{MnSO}_4 \cdot \text{H}_2\text{O}$	
		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	$\text{Zn}(\text{CH}_3 \cdot \text{COO})_2 \cdot 2\text{H}_2\text{O}$	
		Zinc carbonate	ZnCO_3	
		Zinc chloride, monohydrate	$\text{ZnCl}_2 \cdot \text{H}_2\text{O}$	
		Zinc oxide	ZnO	
		Zinc sulphate, heptahydrate	$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	
		Zinc sulphate, monohydrate	$\text{ZnSO}_4 \cdot \text{H}_2\text{O}$	

EEC No	Additive	Chemical formula, description	Species or category of animal	Maximum age	Minimum content		Maximum content	Other provisions
					mg/kg of complete feedingstuff			
J. Growth promoters								
L. Binders, anti-caking agents and coagulants								
E 330	Citric acid	C ₆ H ₈ O ₇	All species or categories of animals	—	—	—	All feedingstuffs. Compliance with provisions of Article 16 (1) (g)	
E 470	Sodium, potassium and calcium stearates	C ₁₈ H ₃₅ O ₂ Na, C ₁₈ H ₃₅ O ₂ K and C ₃₆ H ₇₀ O ₄ Ca		—	—	—		
E 551a	Silicic acid, precipitated and dried	—		—	—	—		
E 551b	Colloidal silica	—		—	—	—		
E 551c	Kieselguhr (diatomaceous earth, purified)	—		—	—	—		
E 552	Calcium silicate, synthetic	—		—	—	—		
E 554	Sodium aluminosilicate, synthetic	—		—	—	—		
E 559	Kaolinitic clays, free of asbestos	Naturally occurring mixtures of minerals containing at least 65 % complex hydrated alu- minium 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			
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 mg/kg of complete feedingstuff	Maxi- mum content	Other provisions	Period of authorization
A. Antibiotics								
21	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
22	Avoparcin	$C_{53}H_6O_{30}N_6Cl_3$ (glycopeptide)	Calves	6 months	15	40	—	30. 11. 1985
			Cattle for fattening	—	15	45	Indicate in the instructions for use: 'For supplementary feeding- stuffs, the maximum dose in the daily ration must not ex- ceed: — for 100 kg bodyweight: 155 mg — above 100 kg: add 6,5 mg for each additional 10 kg bodyweight'	30. 11. 1985
25	Nosiheptide	$C_{34}H_{43}O_{13}N_{13}S_6$	Chickens for fattening	—	1	10	Use prohibited at least 5 days before slaughter	30. 11. 1985
			Pigs	6 months	2	20	Use prohibited at least 5 days before slaughter	30. 11. 1985
B. Antioxidants								
6	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	Use prohibited at least 7 days before slaughter	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
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
E. Emulsifiers, stabilizers, thickeners and gelling agents									
7	Karaya gum	—	All species or categories of animals	—	—	—	—		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	—		—	—	—	—	All feedingstuffs	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 mg/kg of complete feedingstuff	Maxi- mum content	Other provisions	Period of authorization
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
F. Colouring matters including pigments								
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 feeding-stuffs only in products processed from denatured cereals	30. 11. 1985
G. Preservatives								
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 feedingstuff			
16	Sodium nitrite (E 250)	NaNO ₂	Dogs, cats	—	—	200	All feedingstuffs	30. 11. 1985
19	Propane-1,2-diol	C ₃ H ₈ O ₂	Cats	—	—	—	All feedingstuffs	30. 11. 1985

No	Element	Additive	Chemical formula	Maximum content of the element in mg/kg of the complete feedingstuff	Period of authorization
1	I. Trace elements 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 feedingstuff				
1	J. Growth promoters Nitrovin	1,5-di(5-nitro-2-furyl)-1,4-pentadien-3-one-amidinohydrazone hydrochloride	Chickens for fattening	—	10	15	For all feedingstuffs mixing or simultaneous use with antibiotics prohibited	30. 11. 1985	
			Turkeys	26 weeks	10	15			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				
			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
			Pigs for fattening	6 months	5		15		30. 11. 1985
2	Carbadox	methyl 3-(2-quinoxalinyll-methylene)carbazate-N ¹ , N ⁴ -dioxide Minimum purity: 96 % Minimum stability: 24 months	Piglets	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 ¹ , N ⁴ -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 mg/kg of complete feedingstuff		Maximum content	Other provisions	Period of authorization
		Minimum purity : 98 % Minimum stability : 24 months						— mixing or simultaneous use with antibiotics pro- hibited — maximum amount of dust emitted during handling as determined by the method of Stauber Heu- bach (1) : 0,1 µg olaquin- dox.	31. 10. 1985 31. 10. 1985
			Piglets	4 months 4 months	15 50	50 100		Milk replacers only	
	L. Binders, anti-caking agents and coagulants								
1	Bentonite and montmoril- lonite	—	All species or categories of animals	—	—	—	All feedingstuffs		
4	Natural mixtures of stea- tite and chlorite free of as- bestos, other than the mix- ture E 560	—			—	—			
5	Perlite	Natural silicate of sodium and aluminium, expanded by heating, free of asbestos		—	—	—			

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