

## SCHEDULE 3

Regulation 11

### **Permitted additives and provisions relating to their use**

1. In this Schedule “material” means “material intended for use as a feeding stuff”, and any reference to a numbered Part is a reference to the Part bearing that number in the Table to this Schedule.

2. No material shall contain any added antioxidant named or described in columns 2 and 3 of Part I unless, taking into account any such antioxidant which is naturally present, the maximum content (if any) specified in relation thereto in column 4 of that Part is not exceeded.

3. No material shall contain any added colourant named or described in columns 2 and 3 of Part II unless—

- (a) the material is intended for a species or category of animal listed opposite the colourant in question in column 4 of that Part;
- (b) taking into account any such colourant as is naturally present, the maximum content (if any) specified in relation thereto in column 5 of that Part is not exceeded; and
- (c) the material complies with the conditions (if any) specified in relation thereto in column 6 of that Part.

4. No material shall contain any added emulsifier, stabiliser, thickener or gelling agent named or described in column 2 of Chapter B of Part III unless—

- (a) that material is intended for a species or category of animal listed opposite the substance in question in column 3 of that Chapter;
- (b) taking into account any such substance which is naturally present, the maximum content (if any) specified in relation thereto in column 4 of that Chapter is not exceeded; and
- (c) the material complies with any conditions specified in relation thereto in column 5 of that Chapter.

5.—(1) Any material may contain any added vitamin (not being vitamin A, D<sub>2</sub> or D<sub>3</sub>) or any pro-vitamin or chemically well defined substance having a similar effect.

(2) No material may contain any added vitamin A, D<sub>2</sub> or D<sub>3</sub> unless—

- (a) the material is for a species or category of animal listed opposite the vitamin in question in column 3 of Part IV;
- (b) taking into account any such vitamin as is naturally present, the maximum content (if any) specified in relation thereto in column 4 of that Part is not exceeded; and
- (c) the material complies with the conditions (if any) specified in relation thereto in column 5 of that Part.

6.—(1) No material shall contain any added trace element identified in column 2 of Part V and coming from a source specified in relation to it in columns 3 and 4 of Part V in proportions which, taking into account of any such trace element which is naturally present, exceed the maximum content specified in relation thereto in column 6 of that Part.

(2) No material shall contain any added trace element so identified, from a source so specified, unless the material is for a species or category of animal listed opposite the source in question in column 5 of that Part.

(3) No material shall contain any added trace element so identified and from a source so specified which does not comply with the conditions (if any) specified in respect of that source in column 7 of that Part.

7. No material shall contain—

- (a) any added aromatic or appetising substance named or described in column 2 of Part VI (or, as the case may be, columns 2 and 3 of that Part) which, taking account of any such substance which is naturally present, exceeds the maximum content (if any) specified in relation thereto in column 6 of that Part; or
- (b) any added aromatic or appetising substance so named or described unless the material is for a species or category of animal listed opposite the substance in question in column 4 of that Part and the animal concerned is of an age no greater than that (if any) specified in column 5 of that Part.

8.—(1) No material shall contain any added preservative named or described in columns 2 and 3 of Chapter A of Part VII, unless the material complies with the conditions (if any) specified in relation thereto in column 4 of that Chapter.

(2) No material shall contain any added preservative specified in columns 2 and 3 of Chapter B of Part VII which, taking into account any such preservative which is naturally present, exceeds, the maximum content specified in relation thereto in column 5.

(3) No material shall contain any added preservative specified in columns 2 and 3 of Chapter B of Part VII unless the material is for a species or category of animal listed opposite the preservative in question in column 4 of that Chapter, and is used in accordance with the specifications, if any, laid down in respect of it in columns 5 to 7 thereof.

9. No material shall contain any acidity regulator, except that material intended for use as a pet food for dogs or cats may contain any of the acidity regulators named in Part VIII.

10. Unless otherwise stated, any maximum or minimum specified for the content in any feeding stuff of any additive, in the relevant Part of Parts I to VIII(1), or in the relevant European Community Regulation specified in Part IX(1), is so specified by reference to a complete feeding stuff with a moisture content of 12%.

11. The second paragraph of Article 9q1 of the Additives Directive shall have effect in relation to any additive covered by a European Community Regulation specified in Part IX.

Table

*Additives controlled by the additives directive*

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(1) Parts I to VIII relate only to additives covered by European Community Directives. Part IX relates only to additives covered by European Community Regulations

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## Part I

### Permitted Antioxidants<sup>(1)</sup>

<i>Column 1 EECNo.</i>	<i>Column 2 Name or Description</i>	<i>Column 3 Chemical Formula</i>	<i>Column 4 Maximum content (mg/ kg in complete feeding stuff)</i>	<i>Column 5 Conditions</i>
E300	L-Ascorbic acid	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>		All feeding stuffs
E301	Sodium L-ascorbate	C <sub>6</sub> H <sub>7</sub> O <sub>6</sub> Na		All feeding stuffs
E302	Calcium Di(L-ascorbate)	C <sub>12</sub> H <sub>14</sub> O <sub>12</sub> Ca. 2H <sub>2</sub> O		All feeding stuffs
E303	5,6 Diacetyl-L-ascorbic acid	C <sub>10</sub> H <sub>12</sub> O <sub>5</sub>		All feeding stuffs
E304	6-Palmitoyl-L-ascorbic acid	C <sub>22</sub> H <sub>38</sub> O <sub>7</sub>		All feeding stuffs
E306	Tocopherol-rich extracts of natural origin		All feeding stuffs	
E307	Synthetic <i>alpha</i> -tocopherol	C <sub>29</sub> H <sub>50</sub> O <sub>2</sub>		All feeding stuffs
E308	Synthetic <i>gamma</i> -tocopherol	C <sub>28</sub> H <sub>48</sub> O <sub>2</sub>		All feeding stuffs
E309	Synthetic <i>delta</i> -tocopherol	C <sub>27</sub> H <sub>46</sub> O <sub>2</sub>		All feeding stuffs
E310	Propyl gallate	C <sub>10</sub> H <sub>12</sub> O <sub>5</sub>	100 alone or together	All feeding stuffs
E311	Octyle gallate	C <sub>15</sub> H <sub>22</sub> O <sub>5</sub>	100 alone or together	All feeding stuffs
E312	Dodecyl gallate	C <sub>19</sub> H <sub>30</sub> O <sub>5</sub>	100 alone or together	All feeding stuffs

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(1) Note also that certain antioxidants are permitted by virtue of Commission Regulation (EC) No. 2316/98 as referred to in Part IX of this Table

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## Part II

### Permitted Colourants

<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Name or</i> <i>Description</i>	<i>Column 3</i> <i>Chemical</i> <i>formula,</i> <i>description</i>	<i>Column 4</i> <i>Kind of</i> <i>animal</i> <i>permitted</i>	<i>Column 5</i> <i>Maximum</i> <i>content</i> <i>(mg/kg in</i> <i>complete</i> <i>feedingstuffs)</i>	<i>Column 6</i> <i>Conditions</i>
	1. Carotenoids and xanthophylls:				
E160c	Capsanthin	C <sub>40</sub> H <sub>56</sub> O <sub>3</sub>	Poultry	80 (alone or with the other carotenoids and xanthophylls)	
E160e	Beta-apo-8'-carotenal	C <sub>30</sub> H <sub>40</sub> O	Poultry	80 (alone or with the other carotenoids and xanthophylls)	
E160f	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)	
E161b	Lutein	C <sub>40</sub> H <sub>56</sub> O <sub>2</sub>	Poultry	80 (alone or with the other carotenoids and xanthophylls)	
E161c	Cryptoxanthin	C <sub>40</sub> H <sub>56</sub> O	Poultry	80 (alone or with the other carotenoids and xanthophylls)	
E161g	Canthaxanthin	C <sub>40</sub> H <sub>52</sub> O <sub>2</sub>	(a) Poultry (b) Salmon, trout		Use permitted from the age of 6 months onwards. The mixture of canthaxanthin with astaxanthin is allowed provided that the total

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<i>Column 1 EEC No.</i>	<i>Column 2 Name or Description</i>	<i>Column 3 Chemical formula, description</i>	<i>Column 4 Kind of animal permitted</i>	<i>Column 5 Maximum content (mg/kg in complete feedingstuffs)</i>	<i>Column 6 Conditions</i>
					concentration of the mixture does not exceed 100 mg/kg in the complete feeding stuff
			(c) Dogs, cats and ornamental fish	—	—
E161h	Zeaxanthin	C <sub>40</sub> H <sub>56</sub> O <sub>2</sub>	Poultry	80 (alone or with other carotenoids and xanthophylls)	
E161i	Citranaxanthin	C <sub>33</sub> H <sub>44</sub> O	Laying hens	80 (alone or with other carotenoids and xanthophylls)	
E161j	Astaxanthin	C <sub>40</sub> H <sub>52</sub> O <sub>4</sub>	(Salmon) trout	100	Use only permitted from the age of 6 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 feeding stuff
			Ornamental fish	—	—

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	2. Other colourants:				
E102	Tartrazine	$C_{16}H_9N_4Na_3O_9SO_2$	Ornamental fish	—	—
E110	Sunset yellow FCF	$C_{16}H_{10}N_2Na_2O_7S_2$	Ornamental fish	—	—
E124	Ponceau 4R	$C_{20}H_{11}N_2Na_3O_{10}S_2$	Ornamental fish	—	—
E127	Erythrosine	$C_{20}H_6I_4Na_2O_5H_2O$	Ornamental fish	—	—
E131	Patent Blue V	Calcium salt of the disulphonic acid of m-hydroxytetra ethyl diamino triphenylcarbinol anhydride	(a) <del>All</del> 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 of 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 and cats		
E132	Indigotine	$C_{16}H_8N_2Na_2O_8SO_2$	Ornamental fish	—	—

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E141	Chlorophyll copper complex	—	Ornamental fish	—	—
E142	Acid Brilliant Green BS, (Lissamine Green)	Sodium salt of 4,4'-bis (dimethylamino) diphenylmethy- lene-2- naphthol- 3,6- disulphonic acid	(a) <del>A(h)</del> — species or categories of animals with the exception of dogs, cats and ornamental fish	—	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) <del>Dog(s)</del> — cats and ornamental fish	—	—
E153	Carbon black	C	Ornamental fish	—	—
E160B	Bixin	C <sub>25</sub> H <sub>30</sub> O <sub>4</sub>	Ornamental fish	—	—
E172	Iron oxide, red	Fe <sub>2</sub> O <sub>3</sub>	Ornamental fish	—	—
	3. All colourants (other than	—	(a) <del>A(h)</del> — species or	—	Permitted in animal feeding-

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<i>Column 1 EEC No.</i>	<i>Column 2 Name or Description</i>	<i>Column 3 Chemical formula, description</i>	<i>Column 4 Kind of animal permitted</i>	<i>Column 5 Maximum content (mg/kg in complete feedingstuffs)</i>	<i>Column 6 Conditions</i>
	Patent Blue V and Acid Brilliant Green BS) at present permitted for use in human food by European Community legislation as implemented by Regulations made under the Food Safety Act (Northern Ireland) 1991(2)		categories of animals with the exception of dogs and cats		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 and cats	—	—

### Part III

#### Permitted emulsifiers, stabilisers, thickeners and gelling agents

##### Chapter A



<i>EEC No.</i>	<i>Name or description</i>	<i>Conditions</i>
E322	Lecithins	All feeding stuffs
E400	Alginic acid	All feeding stuffs
E401	Sodium alginate	All feeding stuffs
E402	Potassium alginate	All feeding stuffs
E404	Calcium alginate	All feeding stuffs
E405	Propylene glycol alginate (propan-1,2-diol alginate)	All feeding stuffs
E406	Agar	All feeding stuffs
E407	Carrageenan	All feeding stuffs
E410	Locust bean gum (carob gum)	All feeding stuffs
E411	Tamarind seed flour	All feeding stuffs
E412	Guar gum (guar flour)	All feeding stuffs
E413	Tragacanth	All feeding stuffs
E414	Acacia (gum arabic)	All feeding stuffs
E415	Xanthan gum	All feeding stuffs
E420	D-Glucitol (sorbitol)	All feeding stuffs
E421	Mannitol	All feeding stuffs
E422	Glycerol	All feeding stuffs
E440	Pectins	All feeding stuffs
E460	Mycrocrystalline cellulose	All feeding stuffs
E460(ii)	Cellulose powder	All feeding stuffs
E461	Methylcellulose	All feeding stuffs
E462	Ethylcellulose	All feeding stuffs
E463	Hydroxypropylcellulose	All feeding stuffs
E464	Hydroxypropylmethylcellulose	All feeding stuffs
E465	Ethylmethylcellulose	All feeding stuffs
E466	Carboxymethylcellulose (sodium salt of carboxymethyl ether of cellulose)	All feeding stuffs
E470	Sodium, potassium and calcium salts of edible fatty acids, alone or in mixtures, derived either from edible fats or distilled edible fatty acids	All feeding stuffs
E471	Monoacyl and diacylglycerols (mono- and diglycerides of fatty acids)	All feeding stuffs

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<i>EEC No.</i>	<i>Name or description</i>	<i>Conditions</i>
E472	Monoacyl and diacylglycerols esterified with the following acids: (a) (a) acetic (b) lactic (c) citric (d) tartaric (e) monoacetyltartaric and diacetyltartaric	All feeding stuffs
E473	Sucrose esters of fatty acids (esters of saccharose and edible fatty acids)	All feeding stuffs
E474	Mixture of sucrose esters of monoacyl and diacylglycerols (sucroglycerides)	All feeding stuffs
E475	Polyglycerol esters of non-polymerised edible fatty acids	All feeding stuffs
E477	Propylene glycol esters of fatty acids (propan-1,2-diol esters of fatty acids)	All feeding stuffs
E480	Stearoyl-2-lactylic acid	All feeding stuffs
E481	Sodium stearoyl-2-lactylate	All feeding stuffs
E482	Calcium stearoyl-2-lactylate	All feeding stuffs
E483	Stearyl tartrate	All feeding stuffs
E484	Glycerol poly(ethylene glycol)ricinoleate	All feeding stuffs
E486	Dextrans	All feeding stuffs
E491	Sorbitan monostearate	All feeding stuffs
E492	Sorbitan tristearate	All feeding stuffs
E493	Sorbitan monolaurate	All feeding stuffs
E494	Sorbitan mono-oleate	All feeding stuffs
E495	Sorbitan monopalmitate	All feeding stuffs

## CHAPTER B

<i>Column 1 EEC No.</i>	<i>Column 2 Name or Description</i>	<i>Column 3 Kind of animal Permitted</i>	<i>Column 4 Maximum Content (mg/ kg in complete feeding stuff)</i>	<i>Column 5 Conditions</i>
E403	Ammonium Alginate	All species of animals except aquarium fish		All feeding stuffs
E418	Gellan Gum (Polytetrasaccharide containing glucose, glucuronic acid and rhamnose (2:1:1) produced by <i>Pseudomonas elodea</i> (ATCC31466))	Dogs, Cats	No limit	Feeding stuffs with a moisture content exceeding 20%
E432	Polyoxyethylene (20) sorbitan monolaurate	All species of animals	5000 (alone or with other Polysorbates	Milk replacer feeds only
E433	Polyoxyethylene (20) sorbitan mono-oleate	All species of animals	5000 (alone or with other Polysorbates	Milk replacer feeds only
E434	Polyoxyethylene (20) sorbitan monopalmitate	All species of animals	5000 (alone or with other Polysorbates	Milk replacer feeds only
E435	Polyoxyethylene (20) sorbitan monostearate	All species of animals	5000 (alone or with other Polysorbates	Milk replacer feeds only
E436	Polyoxyethylene (20) sorbitan tristearate	All species of animals	5000 (alone or with other Polysorbates	Milk replacer feeds only
E450b(i)	Pentasodium triphosphate	Dogs, Cats	5000	All feeding stuffs
E487	Polyethyleneglycol esters of fatty acids from soya oil	Calves	6000	Milk replacer feeds only
E488	Polyoxyethylated glycerides of tallow fatty acids	Calves	5000	Milk replacer feeds only
E489	Ethers of polyglycerol and of alcohols	Calves	5000	Milk replacer feeds only

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	obtained by the reduction of oleic and palmitic acids			
E490	Propan-1, 2-diol	Dairy cows Calves  Cattle for fattening  Lambs Kids Swine Poultry	12000  36000  36000 36000 36000 36000	All feeding stuffs  All feeding stuffs  All feeding stuffs All feeding stuffs All feeding stuffs All feeding stuffs
E496	Poly(ethylene glycol) 6000	All species of animals	300	
E497	Polyoxypropylene-polyoxyethylene polymers (M.W. 6800-9000)	All species of animals	50	All feeding stuffs
E498	Partial polyglycerol esters of polycondensed fatty acids of castor oil (polyglycerol polyricinoleate)	Dogs	No limit	All feeding stuffs
E499	Cassia Gum	Dogs, Cats	17600	Feeding stuffs with a moisture content exceeding 20%

## Part IV

Vitamins A, D<sub>2</sub> AND D<sub>3</sub>

<i>Column 1 EEC No.</i>	<i>Column 2 Vitamin</i>	<i>Column 3 Kind of animal permitted</i>	<i>Column 4 Maximum content (international units per kilogram in complete feeding stuff) or of the daily ration</i>	<i>Column 5 Conditions</i>
E672	A	Chickens for fattening	13500	All feeding stuffs except feeding stuffs for young animals
		Ducks for fattening	13500	All feeding stuffs except feeding stuffs for young animals
		Turkeys for fattening	13500	All feeding stuffs except feeding stuffs for young animals
		Lambs for fattening	13500	All feeding stuffs except feeding stuffs for young animals
		Pigs for fattening	13500	All feeding stuffs except feeding stuffs for young animals
		Bovines for fattening	13500	All feeding stuffs except feeding stuffs for young animals
		Calves for fattening	25000	Only milk replacers
		Other species of animals	—	All feeding stuffs

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<i>Column 1 EEC No.</i>	<i>Column 2 Vitamin</i>	<i>Column 3 Kind of animal permitted</i>	<i>Column 4 Maximum content (international units per kilogram in complete feeding stuff) or of the daily ration</i>	<i>Column 5 Conditions</i>		
E670	D <sub>2</sub>	Pigs	2000			
		Piglets	10000	In milk replacer feeds only	Simultaneous use of Vitamin D <sub>2</sub> and D <sub>3</sub> prohibited	
		or				
		Cattle	4000			
		Calves	10000	In milk replacer feeds only	Simultaneous use of Vitamin D <sub>2</sub> and D <sub>3</sub> prohibited	
		Sheep	4000			
		Lambs	10000	In milk replacer feeds only	Simultaneous use of Vitamin D <sub>2</sub> and D <sub>3</sub> prohibited	
		Horses	4000			
		Other species of animals except poultry and fish	2000			
		E671	D <sub>3</sub>	Pigs	2000	
Piglets	10000			In milk replacer feeds only	Vitamin D <sub>2</sub> and D <sub>3</sub> prohibited	
Cattle	4000					
Calves	10000			In milk replacer feeds only	Simultaneous use of Vitamin D <sub>2</sub> and D <sub>3</sub> prohibited	
Sheep	4000					
Lambs	10000			In milk replacer feeds only	Simultaneous use of Vitamin D <sub>2</sub> and D <sub>3</sub> prohibited	

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<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Vitamin</i>	<i>Column 3</i> <i>Kind of animal permitted</i>	<i>Column 4</i> <i>Maximum content (international units per kilogram in complete feeding stuff) or of the daily ration</i>	<i>Column 5</i> <i>Conditions</i>
		Horses	4000	
		Chickens for fattening	5000	
		Turkeys	5000	
		Other poultry	3000	
		Fish	3000	
		Other species of animals	2000	

## Part V

### Trace Elements<sup>(1)</sup>

<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Element</i>	<i>Column 3</i> <i>Name of Additive</i>	<i>Column 4</i> <i>Chemical Formula</i>	<i>Column 5</i> <i>Kind of Animal Permitted</i>	<i>Column 6</i> <i>Maximum content of the element mg/kg in complete feeding stuffs</i>	<i>Column 7</i> <i>Conditions</i>
E1	Iron-Fe	Ferrous carbonate	FeCO <sub>3</sub>	all animals	1250 (total)	—
		Ferrous chloride, tetrahydrate	FeCl <sub>2</sub> ·4H <sub>2</sub> O	all animals	1250 (total)	—
		Ferric chloride, hexahydrate	FeCl <sub>3</sub> ·6H <sub>2</sub> O	all animals	1250 (total)	—
		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	all animals	1250 (total)	—

(1) Note also that certain trace elements are permitted by virtue of Commission Regulation (EC) No. 2316/98 as referred to in Part IX of this Table

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<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Element</i>	<i>Column 3</i> <i>Name of Additive</i>	<i>Column 4</i> <i>Chemical Formula</i>	<i>Column 5</i> <i>Kind of Animal Permitted</i>	<i>Column 6</i> <i>Maximum content of the element mg/kg in complete feeding stuffs</i>	<i>Column 7</i> <i>Conditions</i>
		Ferrous fumarate	FeC <sub>4</sub> H <sub>2</sub> O <sub>4</sub>	all animals	1250 (total)	—
		Ferrous lactate, trihydrate	Fe(C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> ) <sub>2</sub> ·3H <sub>2</sub> O	all animals	1250 (total)	—
		Ferric oxide	Fe <sub>2</sub> O <sub>3</sub>	all animals	1250 (total)	—
		Ferrous sulphate, monohydrate	FeSO <sub>4</sub> ·H <sub>2</sub> O	1250 (total)	—	Permitted: (i) in denatured skimmed milk powder and in compound feeding stuffs 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

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<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Element</i>	<i>Column 3</i> <i>Name of Additive</i>	<i>Column 4</i> <i>Chemical Formula</i>	<i>Column 5</i> <i>Kind of Animal Permitted</i>	<i>Column 6</i> <i>Maximum content of the element mg/kg in complete feeding stuffs</i>	<i>Column 7</i> <i>Conditions</i>
						as the element, on the label or package or container of denatured skimmed milk powder. (ii) in compound feeding stuffs other than those listed under (i).
	Ferrous sulphate, hepta-hydrate	FeSO <sub>4</sub> .7H <sub>2</sub> O	all animals	1250 (total)	Permitted: (i) in denatured skimmed milk and in compound feeding stuffs manufactured from denatured skimmed milk powder: — subject to the mandatory	

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>	<i>Column 6</i>	<i>Column 7</i>
<i>EEC No.</i>	<i>Element</i>	<i>Name of Additive</i>	<i>Chemical Formula</i>	<i>Kind of Animal Permitted</i>	<i>Maximum content of the element mg/kg in complete feeding stuffs</i>	<i>Conditions</i>
						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 feeding stuffs other than those listed under (i).
		Ferrous Chelate of Amino	Fe(x) 1-3.nH <sub>2</sub> O (where (x)	all animals	—	—

(1) Note also that certain trace elements are permitted by virtue of Commission Regulation (EC) No. 2316/98 as referred to in Part IX of this Table

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<i>Column 1</i> EEC No.	<i>Column 2</i> Element	<i>Column 3</i> Name of Additive	<i>Column 4</i> Chemical Formula	<i>Column 5</i> Kind of Animal Permitted	<i>Column 6</i> Maximum content of the element mg/kg in complete feeding stuffs	<i>Column 7</i> Conditions
		Acids hydrate	equals an anion of any amino acid derived from hydrolysed Soya Protein)			
E2	Iodine-I	Calcium iodate, hexahydrate	Ca(IO <sub>3</sub> ) <sub>2</sub> .6H <sub>2</sub> O	Equines: fish; other species of animals	4 (total):	—
		Calcium iodate, anhydrous	Ca(IO <sub>3</sub> ) <sub>2</sub>	equines: fish; other species of animals	20 (total)	—
		Sodium iodide	NaI	equines: fish; other species of animals	10 (total)	—
		Potassium iodide	KI	equines: fish; other species of animals	—	—
E3	Cobalt-Co	Cobaltous acetate, tetrahydrate	Co(CH <sub>3</sub> COO) <sub>2</sub> .4H <sub>2</sub> O	all animals	10 (total)	
		Basic cobaltous carbonate, monohydrate	2CoCO <sub>3</sub> .3Co(OH) <sub>2</sub> .H <sub>2</sub> O	all animals	10 (total)	
		Cobaltous chloride, hexahydrate	CoCl <sub>2</sub> .6H <sub>2</sub> O	all animals	10 (total)	

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<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Element</i>	<i>Column 3</i> <i>Name of Additive</i>	<i>Column 4</i> <i>Chemical Formula</i>	<i>Column 5</i> <i>Kind of Animal Permitted</i>	<i>Column 6</i> <i>Maximum content of the element mg/kg in complete feeding stuffs</i>	<i>Column 7</i> <i>Conditions</i>
		Cobaltous sulphate, heptahydrate	CoSO <sub>4</sub> .7H <sub>2</sub> O	all animals	10 (total)	
		Cobaltous sulphate, monohydrate	CoSO <sub>4</sub> .H <sub>2</sub> O	all animals	10 (total)	
		Cobaltous nitrate, hexahydrate	Co(NO <sub>3</sub> ) <sub>2</sub> .6H <sub>2</sub> O	all animals	10 (total)	
E4	Copper-Cu	Cupric acetate, monohydrate	Cu(CH <sub>3</sub> .COO) <sub>2</sub> .H <sub>2</sub> O	Pigs or fattening:	175 (total)	—
		Basic cupric carbonate, monohydrate	CuCO <sub>3</sub> .Cu(OH) <sub>2</sub> .H <sub>2</sub> O	— up to 16 weeks	100 (total)	—
		Cupric chloride, dihydrate	CuCl <sub>2</sub> .2H <sub>2</sub> O	— from 17th week to six months	35 (total)	—
		Cupric methionate	Cu(C <sub>3</sub> H <sub>10</sub> NO <sub>2</sub> S) <sub>2</sub>	— over six months	35 (total)	—
		Cupric oxide	CuO	Breeding pigs:	15 (total)	—
		Cupric sulphate, pentahydrate	CuSO <sub>4</sub> .5H <sub>2</sub> O	Calves:	35 (total)	—
				— milk replacers:		
				— other complete feeding stuffs:		
				Ovines:		

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<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Element</i>	<i>Column 3</i> <i>Name of Additive</i>	<i>Column 4</i> <i>Chemical Formula</i>	<i>Column 5</i> <i>Kind of Animal Permitted</i>	<i>Column 6</i> <i>Maximum content of the element mg/kg in complete feeding stuffs</i>	<i>Column 7</i> <i>Conditions</i>
				Other species of animals:		
		Cupric sulphate, monohydrate	CuSO <sub>4</sub> .H <sub>2</sub> O	Pigs for fattening:	175 (total)	Denatured skimmed milk powder and compound feeding stuffs manufactured from denatured skimmed milk powder:
			CuSO <sub>4</sub> .5H <sub>2</sub> O	— up 16 weeks	100 (total)	
		Cupric sulphate, pentahydrate		— from 17th week to six months	35 (total)	
				— over six months	35 (total)	
				Breeding pigs:		
				Ovines:		
				Other species of animals with the exception of calves:		— Declaration of the amount of copper added, expressed as the element on the label or package or the container of

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<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Element</i>	<i>Column 3</i> <i>Name of Additive</i>	<i>Column 4</i> <i>Chemical Formula</i>	<i>Column 5</i> <i>Kind of Animal Permitted</i>	<i>Column 6</i> <i>Maximum content of the element mg/kg in complete feeding stuffs</i>	<i>Column 7</i> <i>Conditions</i>
						denatured skimmed milk powder.
	Manganese-Mn	Manganous carbonate	MnCO <sub>3</sub>	all animals	250 (total)	—
		Manganous chloride, tetrahydrate	MnCl <sub>2</sub> .4H <sub>2</sub> O	all animals	250 (total)	—
		Manganous hydrogen phosphate, trihydrate	MnHPO <sub>4</sub> .3H <sub>2</sub> O	all animals	250 (total)	—
		Manganous oxide	MnO	all animals	250 (total)	—
		Manganic oxide	Mn <sub>2</sub> O <sub>3</sub>	all animals	250 (total)	—
		Manganous sulphate, tetrahydrate	MnSO <sub>4</sub> .4H <sub>2</sub> O	all animals	250 (total)	—
		Manganous sulphate, monohydrate	MnSO <sub>4</sub> .H <sub>2</sub> O	all animals	250 (total)	—
E6	Zinc-Zn	Zinc lactate, trihydrate	Zn(C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> ) <sub>2</sub> .3H <sub>2</sub> O	all animals	250 (total)	—
		Zinc acetate, dihydrate	Zn(CH <sub>3</sub> .COO) <sub>2</sub> .2H <sub>2</sub> O	all animals	250 (total)	—
		Zinc carbonate	ZnCO <sub>3</sub>	all animals	250 (total)	—
		Zinc chloride, monohydrate	ZnCl <sub>2</sub> .H <sub>2</sub> O	all animals	250 (total)	—
		Zinc oxide	ZnO	all animals	250 (total)	Maximum content of

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<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Element</i>	<i>Column 3</i> <i>Name of Additive</i>	<i>Column 4</i> <i>Chemical Formula</i>	<i>Column 5</i> <i>Kind of Animal Permitted</i>	<i>Column 6</i> <i>Maximum content of the element mg/kg in complete feeding stuffs</i>	<i>Column 7</i> <i>Conditions</i>
						lead 600 mg/kg
		Zinc sulphate, heptahydrate	ZnSO <sub>4</sub> ·7H <sub>2</sub> O	all animals	250 (total)	—
		Zinc sulphate, monohydrate	ZnSO <sub>4</sub> ·H <sub>2</sub> O	all animals	250 (total)	—
E7	Molybdenum-Mo	Ammonium molybdate	(NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub> ·4H <sub>2</sub> O	all animals	2.5 (total)	—
		Sodium molybdate	Na <sub>2</sub> MoO <sub>4</sub> ·2H <sub>2</sub> O	all animals	—	—
E8	Selenium-Se	Sodium selenite	Na <sub>2</sub> SeO <sub>3</sub>	all animals	0.5 (total)	—
		Sodium selenate	Na <sub>2</sub> SeO <sub>4</sub>	all animals	0.5 (total)	—
(1) Note also that certain trace elements are permitted by virtue of Commission Regulation (EC) No. 2316/98 as referred to in Part IX of this Table						

## Part VI

### AROMATIC AND APPETISING SUBSTANCES

<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Additives</i>	<i>Column 3</i> <i>Chemical Formula</i>	<i>Column 4</i> <i>Species or category of animal permitted</i>	<i>Column 5</i> <i>Maximum age</i>	<i>Column 6</i> <i>Maximum contents mg/kg of complete feeding stuff</i>
	1. All natural products and corresponding synthetic products	—	All animals	—	—
	2. Artificial substances:				

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<i>Column 1 EEC No.</i>	<i>Column 2 Additives</i>	<i>Column 3 Chemical Formula</i>	<i>Column 4 Species or category of animal permitted</i>	<i>Column 5 Maximum age</i>	<i>Column 6 Maximum contents mg/kg of complete feeding stuff</i>
E954(i)	Saccharin	C <sub>7</sub> H <sub>5</sub> NO <sub>3</sub> S	Piglets	Four months	150
E954(ii)	Calcium saccharin	C <sub>14</sub> H <sub>8</sub> CaN <sub>2</sub> O <sub>6</sub> S <sub>2</sub>	Piglets	Four months	150
E954(iii)	Sodium saccharin	C <sub>7</sub> H <sub>4</sub> NNaO <sub>3</sub> S	Piglets	Four months	150
E959	Neohesperidine dihydrochalcone	C <sub>28</sub> H <sub>36</sub> O <sub>15</sub>	Piglets	Four months	35
			Dogs		35
			Calves		30
			Ovines		30

## Part VII

### Permitted Preservatives<sup>(1)</sup>

#### Chapter A

<i>Column 1 EEC No.</i>	<i>Column 2 Name or Description</i>	<i>Column 3 Chemical Formula</i>	<i>Column 4 Conditions</i>
E200	Sorbic acid	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>	All feeding stuffs
E201	Sodium sorbate	C <sub>6</sub> H <sub>7</sub> O <sub>2</sub> Na	All feeding stuffs
E202	Potassium sorbate	C <sub>6</sub> H <sub>7</sub> O <sub>2</sub> K	All feeding stuffs
E203	Calcium sorbate	C <sub>12</sub> H <sub>14</sub> O <sub>4</sub> Ca	All feeding stuffs
E237	Sodium formate	CHO <sub>2</sub> Na	All feeding stuffs
E238	Calcium formate	C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> Ca	All feeding stuffs
E260	Acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	All feeding stuffs
E261	Potassium acetate	C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> K	All feeding stuffs
E262	Sodium diacetate	C <sub>4</sub> H <sub>7</sub> O <sub>4</sub> Na	All feeding stuffs
E263	Calcium acetate	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Ca	All feeding stuffs
E270	Lactic acid	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	All feeding stuffs
E280	Propionic acid	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	All feeding stuffs
E281	Sodium propionate	C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> Na	All feeding stuffs
E282	Calcium propionate	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> Ca	All feeding stuffs
E283	Potassium propionate	C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> K	All feeding stuffs



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<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Name or Description</i>	<i>Column 3</i> <i>Chemical Formula</i>	<i>Column 4</i> <i>Conditions</i>
E284	Ammonium propionate	C <sub>3</sub> H <sub>9</sub> O <sub>2</sub> N	All feeding stuffs
E295	Ammonium formate	CH <sub>5</sub> O <sub>2</sub> N	All feeding stuffs
E296	DL-Malic acid	C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>	All feeding stuffs
E297	Fulmaric acid	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	All feeding stuffs
E325	Sodium lactate	C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> Na	All feeding stuffs
E326	Potassium lactate	C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> K	All feeding stuffs
E327	Calcium lactate	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> Ca	All feeding stuffs
E330	Citric acid	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	All feeding stuffs
E331	Sodium citrates	—	All feeding stuffs
E332	Potassium citrates	—	All feeding stuffs
E333	Calcium citrates	—	All feeding stuffs
E334	L-Tartaric acid	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	All feeding stuffs
E335	Sodium L-tartrates	—	All feeding stuffs
E336	Potassium L-tartrates	—	All feeding stuffs
E337	Potassium sodium L-tartrate	C <sub>4</sub> H <sub>4</sub> O <sub>6</sub> KNa.4H <sub>2</sub> O	All feeding stuffs
E338	Orthophosphoric acid	H <sub>3</sub> PO <sub>4</sub>	All feeding stuffs
E507	Hydrochloric acid	HCl	for use in silage only
E513	Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	for use in silage only

## Chapter B

<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Name or Description</i>	<i>Column 3</i> <i>Chemical formula</i>	<i>Column 4</i> <i>Kind of animal permitted</i>	<i>Column 5</i> <i>Maximum content (mg/kg in complete feeding stuff)</i>	<i>Column 6</i> <i>Minimum content (mg/kg in complete feeding stuff)</i>	<i>Column 7</i> <i>Conditions</i>
E222	Sodium hydrogensulphite (Sodium bisulphite)	NaHSO <sub>3</sub>	Dogs and Cats	500 alone or together expressed as SO <sub>2</sub>		All feeding stuffs except unprocessed meat and fish
E223	Disodium disulphite	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Dogs and Cats	500 alone or together		All feeding stuffs except unprocessed

(1) Note also that one preservative is permitted by virtue of Commission Regulation (EC) No. 1594/1999 as referred to in Part IX of this Table.

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<i>Column 1</i> EEC No.	<i>Column 2</i> Name or Description	<i>Column 3</i> Chemical formula	<i>Column 4</i> Kind of animal permitted	<i>Column 5</i> Maximum content (mg/kg in complete feeding stuff)	<i>Column 6</i> Minimum content (mg/kg in complete feeding stuff)	<i>Column 7</i> Conditions
	(Sodium metabisulphite)			expressed as SO <sub>2</sub>		meat and fish
E250	Sodium nitrite	NaNO <sub>2</sub>	Dogs and Cats	100 (feeding stuffs with a moisture content exceeding 20% only)		
E214	Ethyl 4-hydroxybenzoate	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	Pet animals	No limit		All feeding stuffs
E215	Sodium ethyl 4-hydroxybenzoate	C <sub>9</sub> H <sub>9</sub> O <sub>3</sub> Na	Pet animals	No limit		All feeding stuffs
E216	Propyl 4-hydroxybenzoate	C <sub>10</sub> H <sub>12</sub> O <sub>3</sub>	Pet animals	No limit		All feeding stuffs
E217	Sodium propyl 4-hydroxybenzoate	C <sub>10</sub> H <sub>11</sub> O <sub>3</sub> Na	Pet animals	No limit		All feeding stuffs
E218	Methyl 4-hydroxybenzoate	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Pet animals	No limit		All feeding stuffs
E219	Sodium methyl 4-hydroxybenzoate	C <sub>8</sub> H <sub>7</sub> O <sub>3</sub> Na	Pet animals	No limit		All feeding stuffs
E490	Propan- 1, 2-diol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	Dogs	53,000		All feeding stuffs
E240	Formaldehyde	CH <sub>2</sub> O	All species of animals Pigs up to the age of six months	No limit (for silage only) 600 (skimmed milk only)		
E285	Methylpropionic acid	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ruminants at the beginning of rumination	4,000	1,000	

(1) Note also that one preservative is permitted by virtue of Commission Regulation (EC) No. 1594/1999 as referred to in Part IX of this Table.

## Part VIII

### Permitted acidity regulators for pet foods for dogs and cats

<i>Column 1</i> <i>EEC No.</i>	<i>Column 2</i> <i>Additive</i>
E170	Calcium carbonate
E296	DL- and L-Malic acid
—	Ammonium dihydrogen orthophosphate
—	Diammonium hydrogen orthophosphate
E339(i)	Sodium dihydrogen orthophosphate
E339(ii)	Disodium hydrogen orthophosphate
E339(iii)	Trisodium orthophosphate
E340(i)	Potassium dihydrogen orthophosphate
E340(ii)	Dipotassium hydrogen orthophosphate
E340(iii)	Tripotassium orthophosphate
E341(i)	Calcium tetrahydrogen diorthophosphate
E341(ii)	Calcium hydrogen orthophosphate
E350(i)	Sodium malate (Salt of DL- or L-Malic acid)
E450(a)(i)	Disodium dihydrogen diphosphate
E450(a)(iii)	Tetrasodium diphosphate
E450(a)(iv)	Tetrapotassium diphosphate
E450(b)(i)	Pentasodium triphosphate
E450(b)(ii)	Pentapotassium triphosphate
E500(i)	Sodium carbonate
E500(ii)	Sodium hydrogen carbonate
E500(iii)	Sodium sesquicarbonate
E501(ii)	Potassium hydrogen carbonate
E503(i)	Ammonium carbonate
E503(ii)	Ammonium hydrogen carbonate
E507	Hydrochloric acid
E510	Ammonium chloride
E513	Sulphuric acid
E524	Sodium hydroxide
E525	Potassium hydroxide
E526	Calcium hydroxide
E529	Calcium oxide

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<i>Column 1</i>	<i>Column 2</i>
<i>EEC No.</i>	<i>Additive</i>
E540	Dicalcium diphosphate

## Part IX

### European Community Regulations by which additives are controlled<sup>(3)</sup>

Commission Regulation (EC) No. 2316/98 concerning authorisation of new additives and amending the conditions for authorisation of a number of additives already authorised in feeding stuffs<sup>(4)</sup>

Commission Regulation (EC) No. 2785/98 concerning the modification of the period of authorisation of additives referred to in Article 9(e)(3) of Council Directive 70/524/EEC<sup>(5)</sup>

Commission Regulation (EC) No. 1594/1999 amending the conditions for the authorisation of an additive in feeding stuffs<sup>(6)</sup>

Commission Regulation (EC) No. 2439/1999 on the conditions for authorisation of additives belonging to the group “binders, anti-caking agents and coagulants” in feeding stuffs<sup>(7)</sup>

Commission Regulation (EC) No. 1353/2000 concerning the permanent authorisation of an additive and the provisional authorisation of new additives, new additive uses and new preparations in feeding stuffs<sup>(8)</sup>

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(3) Certain of the listed Regulations relate to categories of additive which also include additives controlled by the Additives Directive, and which are thus listed in the relevant Part of Parts I to VIII of the Table to this Schedule. (eg. the preservative formic acid is covered by Regulation 1594/1999 (above), whereas certain other preservatives are covered by Part VII of the Table.)

(4) O.J. No. L289, 28.10.98, p. 4

(5) O.J. No. L347, 23.12.98, p. 21

(6) O.J. No. L188, 21.7.1999, p. 35

(7) O.J. No. L297, 18.11.1999, p. 8. The Annex to this Regulation is now replaced by the Annex to Regulation (EC) No. 739/2000 (O.J. No. L87, 8.4.2000, p. 14)

(8) O.J. No. L155, 28.6.2000, p. 15