SCHEDULE 4

Regulation 13

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 in this Schedule.

2. No material shall contain any added antioxidant other than one named or described in column 2 of Part I, or any antioxidant so named or described 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—

(a) any colourant other than one named or described in column 2 of Part II, or

(b) any colourant named or described in column 2 of Part II unless—

(i) the material is intended for an animal listed opposite the colourant in question in column 4 of that Part;

(ii) 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

(iii) the material complies with the conditions (if any) specified in relation thereto in column 6 of that Part.

4.—(1) No material shall contain any added emulsifier, stabiliser, thickener or gelling agent other than one named or described in Part III, or any emulsifier or stabiliser named or described in Chapter A of Part III unless the material is to be used in accordance with the specification, if any, laid down in respect of it in that Chapter.

(2) No material shall contain any substance named or described in column 2 of Chapter B ofPart III unless—

(a) that material is intended for animals listed opposite the substance in question in column 3 of that Chapter, and

(b) taking account of 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.

5. No material shall contain any added binder, anti-caking agent or coagulant other than one named or described in Part IV, or any substance named or described in Chapter B of that Part unless—

(a) taking account of 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

(b) the material is to be used in accordance with the conditions (if any) laid down in respect of it in column 5 of that Chapter.

6. No material shall contain any added vitamin, pro-vitamin or substance having a similar effect except that—

(i) any material for any animal of a kind specified in column 3 of Chapter A of Part V may contain added vitamin D_2 or D_3 (but not both) in proportions which, taking account of any such vitamin which is naturally present, do not exceed the maximum content specified in column 4 of the said Chapter in relation to the kinds of animal specified in column 3 thereof, and provided that the conditions (if any) specified in column 5 of that Part are complied with;

(ii) any material for any animal of a kind specified in column 3 of Chapter B of Part V may contain any vitamin (other than vitamins A, D_2 or D_3) or any pro-vitamin

or chemically well defined substance having a similar effect in proportions which, taking into account any such substance which is naturally present, do not exceed the maximum content (if any) specified in column 4 in relation to the kinds of animal specified in column 3 thereof.

7. No material shall contain any added trace element other than one from a source specified in columns 3 and 4 of Part VI, and no material shall contain any trace element from a source so specified in proportions which—

(a) taking account of any such trace element which is naturally present exceed, in respect of animals (if any) listed opposite the trace element in question in column 5, the maximum content specified in relation thereto in column 6 of that Part; or

(b) does not comply with the conditions (if any) specified in respect of that source in column 7 of that Part.

8. No material shall contain—

(a) any added aromatic or appetising substance other than one named or described incolumn 2 of Part VII;

(b) any added aromatic or appetising substance named or described in the said column 2 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 Part VII; or

(c) any added aromatic or appetising substance named or described in the said column 2, unless the material is for a species or category of animal listed opposite the substance in question in column 4 of Part VII.

9.—(1) No material shall contain any added preservative other than one named or described in Part VIII.

(2) No material shall contain any added preservative specified in column 2 of Chapter B of Part VIII which, taking account of any such preservative which is naturally present, exceeds, in respect of animals listed opposite the preservative in question in column 4, the maximum content specified in relation thereto in column 5; and no material shall contain any added preservative specified in column 2 of that Chapter unless the material is for animals 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 therein.

10. Material intended for use as a pet food for dogs and cats may contain any of the acidity regulators named in Part IX.

11. Unless otherwise stated, any maximum or minimum specified in the Table for the content of any additive in any feeding stuff is so specified by reference to a complete feeding stuff with a moisture content of 12%.

PART I

Permitted Antioxidants

Column 1 *EECNo.*	Column 2 *Name or Description*	Column 3 *Chemical Formula*	Column 4 *Maximum content (mg/kg in complete feeding stuff)*
E300	L-Ascorbic acid	$C_6H_8O_6$	

Column 1 *EECNo.*	Column 2 *Name or Description*	Column 3 *Chemical Formula*	Column 4 *Maximum content (mg/kg in complete feeding stuff)*
E301	Sodium L-ascorbate	$C_6H_7O_6Na$	
E302	Calcium Di(L-ascorbate)	$C_{12}H_{14}O_{12}Ca.2H_2O$	
E303	5, 6-Diacetyl-L-ascorbic acid	$C_{10}H_{12}O_8$	
E304	6-Palmitoyl-L-ascorbic acid	$C_{22}H_{38}O_7$	
E306	Tocopherol-rich extracts of natural origin	—	
E307	Synthetic *alpha*-tocopherol	$C_{29}H_{50}O_2$	
E308	Synthetic *gamma*-tocopherol	$C_{28}H_{48}O_2$	
E309	Synthetic *delta*-tocopherol	$C_{27}H_{46}O_2$	
E310	Propyl gallate	$C_{10}H_{12}O_5$	100: alone or together
E311	Octyl gallate	$C_{15}H_{22}O_5$	100: alone or together
E312	Dodecyl gallate	$C_{19}H_{30}O_5$	100: alone or together
E320	Butylated hydroxyanisole (BHA)	$C_{11}H_{16}O_2$	150: alone or together
E321	Butylated hydroxytoluene (BHT)	$C_{15}H_{24}O$	150: alone or together
E324	Ethoxyquin	C $14H_{19}ON$	150: alone or together

PART II

PERMITTED COLOURANTS

Column 1 *EEC No.*	Column 2 *Name or Description*	Column 3 *Chemical Formula*	Column 4 *Kind of Animal*	Column 5 *Maximum Content (mg/kg in complete feeding stuffs)*	Column 6 *Conditions*
E160c	Capsanthin	$C_{40}H_{56}O_3$	Poultry	80: alone or together	None

Column 1 *EEC No.*	Column 2 *Name or Description*	Column 3 *Chemical Formula*	Column 4 *Kind of Animal*	Column 5 *Maximum Content (mg/kg in complete feeding stuffs)*	Column 6 *Conditions*
E160e	Beta-apo-8"-carotenal	$C_{30}H_{40}O$	Poultry	80: alone or together	None
E160f	Ethyl ester of beta-apo-8"-carotenoic acid	$C_{32}H_{44}O_2$	Poultry	80: alone or together	None
E161b	Lutein	$C_{40}H_{56}O_2$	Poultry	80: alone or together	None
E161c	Cryptoxanthin	$C_{40}H_{56}O$	Poultry	80: alone or together	None
E161g	Canthaxanthin	$C_{44}0H_{52}O_2$	Poultry	80: alone or together	None
E161h	Zeaxanthin	$C_{40}H_{56}O_2$	Poultry	80: alone or together	None
E161i	Citranaxanthin	$C_{33}H_{44}O$	Laying Hens	80: alone or together	None
E161g	Canthaxanthin	$C_{40}H_{52}O_2$	Dogs and Cats	No limit	None
			Trout and Salmon	80	Use permitted from the age of 6 months onwards
E161j	Astaxanthin	$C_{40}H_{52}O_4$	Trout and Salmon	100: alone or together with canthaxanthin	Use permitted from the age of 6 months onwards
E131	Patent Blue V (Calcium salt of the disulphonic acid of m-hydroxy-tetra-ethyldiamino triphenyl-carbinol anhydride)		Dogs and Cats	No limit	None
			All other species of animals	No limit	Permitted only in products processed from waste products of foodstuffs, denatured cereals or manioc flour, or other base substances denatured by means of

Column 1 *EEC No.*	Column 2 *Name or Description*	Column 3 *Chemical Formula*	Column 4 *Kind of Animal*	Column 5 *Maximum Content (mg/kg in complete feeding stuffs)*	Column 6 *Conditions*
					these agents or coloured during preparation to ensure identification during manufacture
E142	Acid Brilliant Green BS (Sodium salt of 4,4"-bis (dimethylamino) diphenyl-methylene-2.naphthol-3,6-disulphonic acid)		All species of animals except dogs and cats Dogs and Cats	No limit No limit	Permitted only in products processed from waste products of foodstuffs, denatured cereals or manioc flour, or other base substances denatured by means of these agents or coloured during preparation to ensure identification during manufacture None
	All other colourants at present permitted for use in human food by European Community Directives as implemented by regulations made or having effect as if made		Dogs and Cats All other species of animals	No limit No limit	None Permitted only in products processed from waste products of foodstuffs, or other base substances, with the exception of cereals and manioc flour,

Column 1 *EEC No.*	Column 2 *Name or Description*	Column 3 *Chemical Formula*	Column 4 *Kind of Animal*	Column 5 *Maximum Content (mg/kg in complete feeding stuffs)*	Column 6 *Conditions*
	under the Food Act 1984(**1**) or the Food and Drugs (Scotland) Act, 1956(**2**)				denatured by means of those agents or coloured during technical preparation to ensure the necessary identification during manufacture

PART III

Permitted Emulsifiers, Sabilisers, Thickeners and Gelling Agents

Chapter A

EEC No.	*Name or description*
E322	Lecithins
E400	Alginic acid
E401	Sodium alginate
E402	Potassium alginate
E403	Ammonium alginate—Not permitted in aquarium fish feed
E404	Calcium alginate
E405	Propylene glycol alginate (propane-1,2-diol alginate)
E406	Agar
E407	Carrageenan
E408	Furcellaran
E410	Locust bean gum (carob gum)
E411	Tamarind seed flour
E412	Guar gum (guar flour)

(**1**) 1984 c. 30.
(**2**) 1956 c. 30 (4 & 5 Eliz 2).

EEC No.	*Name or description*
E413	Tragacanth
E414	Acacia (gum arabic)
E415	Xanthan gum
E420	D-Glucitol (sorbitol)
E421	Mannitol
E422	Glycerol
E440	Pectins
E460	Microcrystalline cellulose
E461	Methylcellulose
E462	Ethylcellulose
E463	Hydroxypropylcellulose
E464	Hydroxypropylmethylcellulose
E465	Ethylmethylcellulose
E466	Carboxymethylcellulose (sodium salt of carboxymethyl ether of cellulose)
E470	Sodium, potassium and calcium salts of edible fatty acids, alone or in mixtures, derived either from edible fats or distilled edible fatty acids
E471	Monoacyl and diacylglycerols (monoand di-glycerides of fatty acids)
E472	Monoacyl and diacylglycerols esterified with the following acids: (a) acetic (b) lactic (c) citric (d) tartaric (e) monoacetyltartaric and diacetyltartaric
E473	Sucrose esters of fatty acids (esters of saccharose and edible fatty acids)
E474	Mixture of sucrose esters of monoacyl and diacylglycerols (Sucroglycerides)
E475	Polyglycerol esters of non-polymerised edible fatty acids
E477	Propylene glycol esters of fatty acids (propane-1,2-diol esters of fatty acids)
E480	Stearoyl-2-lactylic acid
E481	Sodium stearoyl-2-lactylate
E482	Calcium stearoyl-2-lactylate
E483	Stearyl tartrate

EEC No.	*Name or description*
E484	Glycerol poly(ethylene glycol)ricinoleate
E486	Dextrans
E491	Sorbitan monostearate
E492	Sorbitan tristearate
E493	Sorbitan monolaurate
E494	Sorbitan mono-oleate
E495	Sorbitan monopalmitate

CHAPTER B

Column 1 *EEC No.*	Column 2 *Name or Description*	Column 3 *Kind of animal*	Column 4 *Maximum Content (mg/kg in complete feeding stuff)*	Column 5 *Conditions*
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)	*penta*Sodium 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 obtained by the	Calves	5000	Milk replacer feeds only

Column 1 *EEC No.*	Column 2 *Name or Description*	Column 3 *Kind of animal*	Column 4 *Maximum Content (mg/kg in complete feeding stuff)*	Column 5 *Conditions*
	reduction of oleic and palmitic acids			
E490	Propane-1, 2-diol	Dairy cows	12000	All feeding stuffs
		Calves	36000	All feeding stuffs
		Cattle for fattening	36000	All feeding stuffs
		Lambs	36000	All feeding stuffs
		Kids	36000	All feeding stuffs
		Swine	36000	All feeding stuffs
		Poultry	36000	All feeding stuffs
E496	Poly(ethylene glycol) 6000	All species of animals	50	All feeding stuffs
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

PART IV

PERMITTED BINDERS, ANTI-CAKING AGENTS AND COAGULANTS

CHAPTER A

EEC No.	*Name or Description*	*Chemical formula*
E330	Citric acid	$C_6H_8O_7$
E470	Sodium, potassium and calcium stearates	$C_{18}H_{35}O_2Na$ $C_{18}H_{35}O_2K$ and $C_{36}H_{70}O_4Ca$
E551a	Silicic acid (precipitated and dried)	—

EEC No.	*Name or Description*	*Chemical formula*
E551b	Colloidal silica	—
E551c	Kieselguhr (diatomaceous earth, purified)	—
E552	Calcium silicate (synthetic)	—
E554	Sodium aluminosilicate (synthetic)	—
E559	Kaolin and kaolinitic clays free of asbestos (naturally occurring mixtures of minerals containing at least 65% complex hydrated aluminium silicates whose main constituent is kaolinite)	—
E560	Natural mixtures of steatite and chlorite free of asbestos (min. purity of the mixture: 85%)	—
E561	Vermiculite (hydrated silicate of magnesium, aluminium and iron, expanded by heating, free of asbestos:— max. fluorine content—0.3%)	—
E565	Lignosulphonates	—

CHAPTER B

Column 1 *EEC No.*	Column 2 *Name or description*	Column 3 *Kind of animal*	Column 4 *Maximum content (mg/kg in complete feeding stuffs)*	Column 5 *Conditions*
E558	Bentonite and montmorillonite	All species of animals	20000	All feeding stuffs (Mixing of antibiotic growth promoters and coccidiostats with feeding stuffs and ingredients in the presence of these additives is prohibited except for tylosin, monensin sodium, narasin, ipronidazole, lasalocid sodium, avoparcin, flavophospholipol,

Column 1 *EEC No.*	Column 2 *Name or description*	Column 3 *Kind of animal*	Column 4 *Maximum content (mg/kg in complete feeding stuffs)*	Column 5 *Conditions*
				salinomycin sodium, ronidazole and virginiamycin, nicarbazin and robenidine)
E 516	Calcium sulphate dihydrate	All species of animals	30000	All feeding stuffs
E 599	Perlite	All species of animals	No limit	All feeding stuffs
E 553	Sepiolite Hydrated magnesium silicate of sedimentary origin, containing at least 60% sepiolite and maximum 30% montmorillonite. Asbestos free.	All species of animals	20000	All feeding stuffs
	Synthetic Calcium aluminates. Mixture of calcium aluminates containing between 35 and 51% of A1203 — maximum molybdenum content of 20 mg/kg	Poultry, rabbits and pigs	20000	All feeding stuffs

PART V

VITAMINS, PRO-VITAMINS AND SUBSTANCES HAVING A SIMILAR EFFECT

CHAPTER A

Column 1 *EEC No.*	Column 2 *Vitamin*	Column 3 *Kind of animal*	Column 4 *Maximum content (international units per kilogram in complete feeding stuff) or of the daily ration*	Column 5 *Special conditions*
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	25000 Only milk replacers	
		Other species of animals	— All feeding stuffs	
E670	D_2	Pigs	2000	Simultaneous use of Vitamin D_2 and D_3 prohibited

Column 1 *EEC No.*	Column 2 *Vitamin*	Column 3 *Kind of animal*	Column 4 *Maximum content (international units per kilogram in complete feeding stuff) or of the daily ration*	Column 5 *Special conditions*
		Piglets	10000 in milk replacer feeds only	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Cattle	4000	Simultaneous use of Vitamin D_2 and D_3 prohibited
or		Calves	10000 in milk replacer feeds only	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Sheep	4000	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Lambs	10000 in milk replacer feeds only	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Horses	4000	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Other species of animals except poultry and fish	2000	Simultaneous use of Vitamin D_2 and D_3 prohibited
E671	D_3	Pigs	2000	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Piglets	10000 in milk replacer feeds only	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Cattle	4000	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Calves	10000 in milk replacer feeds only	Simultaneous use of Vitamin D_2 and D_3 prohibited

Column 1 *EEC No.*	Column 2 *Vitamin*	Column 3 *Kind of animal*	Column 4 *Maximum content (international units per kilogram in complete feeding stuff) or of the daily ration*	Column 5 *Special conditions*
		Sheep	4000	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Lambs	10000 in milk replacer feeds only	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Horses	4000	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Chickens for fattening	5000	Simultaneous use of Vitamin D_2 and D_3 prohibited
		Turkeys	5000	
		Other poultry	3000	
		Fish	3000	
		Other species of animals	2000	
		CHAPTER B		
	Other vitamins, pro-vitamins and chemically well defined substances having a similar effect	All animals	No limit	

PART VI

TRACE ELEMENTS

Column 1 *EEC No.*	Column 2 *Element*	Column 3 *Name of Additive*	Column 4 *Chemical Formula*	Column 5 *Kind of Animal*	Column 6 *Maximum Content of the Element mg/kg in Complete Feeding stuffs*	Column 7 *Other Provisions*
E1	Iron-Fe					
		Ferrous carbonate	$FeCO_3$	all animals	1250 (total)	—
		Ferrous chloride, tetrahydrate	$FeCl_2.4H_2O$	all animals	1250 (total)	—
		Ferric chloride, hexahydrate	$FeC1_3.6H_2O$	all animals	1250 (total)	—
		Ferrous citrate, hexahydrate	$Fe_3(C_6H_5O_7)_2.6H_2O$	all animals	1250 (total)	—
		Ferrous fumarate	$FeC_4H_2O_4$	all animals	1250 (total)	—
		Ferrous lactate, trihydrate	$Fe(C_3H_5O_3)_2.3H_2O$	all animals	1250 (total)	—
		Ferric oxide	Fe_2O_3	all animals	1250 (total)	—
		Ferrous sulphate, monohydrate	$FeSO_4.H_2O$	all animals	1250 (total)	Permitted: (i) in denatured skimmed milk powder and in compound feeding stuffs manufactured from denatured skimmed milk powder:

Column 1 *EEC No.*	Column 2 *Element*	Column 3 *Name of Additive*	Column 4 *Chemical Formula*	Column 5 *Kind of Animal*	Column 6 *Maximum Content of the Element mg/kg in Complete Feeding stuffs*	Column 7 *Other Provisions*
						— subject to the mandatory provisions of Commission Regulations (EEC) No.368/77 and (EEC) No.443/77. — declaration of the amount of iron added, expressed as the element, on the label or package or container of denatured skimmed milk powder.
						(ii) in compound feeding stuffs other than those listed

Column 1 *EEC No.*	Column 2 *Element*	Column 3 *Name of Additive*	Column 4 *Chemical Formula*	Column 5 *Kind of Animal*	Column 6 *Maximum Content of the Element mg/kg in Complete Feeding stuffs*	Column 7 *Other Provisions*
						under (i).
		Ferrous sulphate, heptahydrate	$FeSO_4.7H_2O$	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 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

Column 1 *EEC No.*	Column 2 *Element*	Column 3 *Name of Additive*	Column 4 *Chemical Formula*	Column 5 *Kind of Animal*	Column 6 *Maximum Content of the Element mg/kg in Complete Feeding stuffs*	Column 7 *Other Provisions*
						label or package or container of denatured skimmed milk powder.
						(ii) in compound feeding stuffs other than those listed under (i) above.
		Ferrous Chelate of Amino Acids hydrate	Fe(x) 1-3.nH_2O (where × equals an anion of any amino acid derived from hydrolysed Soya Protein) Molecular weight not exceeding 1500	all animals	—	—
E2	Iodine-I	Calcium iodate, hexahydrate	$Ca(IO_3)_2.6H_2O$	all animals	40 (total)	—
		Calcium iodate, anhydrous	$Ca(IO_3)_2$	all animals		—

Column 1 *EEC No.*	Column 2 *Element*	Column 3 *Name of Additive*	Column 4 *Chemical Formula*	Column 5 *Kind of Animal*	Column 6 *Maximum Content of the Element mg/kg in Complete Feeding stuffs*	Column 7 *Other Provisions*
		Sodium iodide	NaI	all animals		—
		Potassium iodide	KI	all animals		—
E3	Cobalt-Co	Cobaltous acetate, tetrahydrate	$Co(CH_3COO)_2.4H_2O$	all animals	10 (total)	—
		Basic cobaltous carbonate, monohydrate	$2CoCO_3.3Co(OH)_2.H_2O$	all animals		—
		Cobaltous chloride, hexahydrate	$CoC1_2.6H_2O$	all animals		—
		Cobaltous sulphate, heptahydrate	$CoSO_4.7H_2O$	all animals		—
		Cobaltous sulphate, monohydrate	$CoSO_{46}.H_2O$	all animals		—
		Cobaltous nitrate, hexahydrate	$Co(NO_3)_2.6H_2O$	all animals		—
E4	Copper-Cu	Cupric acetate, monohydrate	$Cu(CH_3COO)_2.H_2O$	Pigs for fattening:		—
		Basic cupric carbonate, monohydrate	$CuCO_3.Cu(OH)_2.H_2O$	six months	35 (total)	
		Cupric chloride, dihydrate	$CuC1_2.ZH_2O$	Breeding pigs:	35 (total)	—
		Cupric methionate	$Cu(C_3H_{10}NO_2S)_2$	Calves:		—
		Cupric oxide	CuO	milk replacers:	30 (total)	—

Column 1 *EEC No.*	Column 2 *Element*	Column 3 *Name of Additive*	Column 4 *Chemical Formula*	Column 5 *Kind of Animal*	Column 6 *Maximum Content of the Element mg/kg in Complete Feeding stuffs*	Column 7 *Other Provisions*
		Cupric sulphate, pentahydrate	$CuSO_4.5H_2O$	other complete feeding stuffs:	50 (total)	
				Ovines:	15 (total)	—
				Other species of animals:	35 (total)	
		Cupric sulphate, monohydrate	$CuSO_4.H_2O$	Pigs for fattening: — over six months	35 (total)	Denatured skimmed milk powder and compound feeding stuffs manufactured from denatured skimmed milk powder:
		Cupric sulphate, pentahydrate	$CuSO_4.5H_2O$	Breeding pigs:	35 (total)	— Subject to the relevant provisions of Commission Regulations (EEC) No.368/77 and (EEC) No.443/77.
				Ovines:	15 (total)	— Subject to the relevant provisions of Commission Regulations (EEC) No.368/77

Column 1 *EEC No.*	Column 2 *Element*	Column 3 *Name of Additive*	Column 4 *Chemical Formula*	Column 5 *Kind of Animal*	Column 6 *Maximum Content of the Element mg/kg in Complete Feeding stuffs*	Column 7 *Other Provisions*
						and (EEC) No.443/77.
				Other species of animals with the exception of calves:	35 (total)	— Declaration of the amount of copper added, expressed as the element on the label or package or the container of denatured skimmed milk powder.
E5	Manganese-Mn					
		Manganous carbonate	$MnCO_3$	all animals	250 (total)	—
		Manganous chloride, tetrahydrate	$MnC1_2.4H_20$	all animals	250 (total)	—
		Manganous hydrogen phosphate, trihydrate	$MnHPO_4.3H_20$	all animals	250 (total)	—
		Manganous oxide	MnO	all animals	250 (total)	—
		Manganic oxide	Mn_2O_3	all animals	250 (total)	—
		Manganous sulphate, tetrahydrate	$MnSO_4.4H_2O$	all animals	250 (total)	—
		Manganous sulphate, monohydrate	$MnSO_4.H_2O$	all animals	250 (total)	—

Column 1 *EEC No.*	Column 2 *Element*	Column 3 *Name of Additive*	Column 4 *Chemical Formula*	Column 5 *Kind of Animal*	Column 6 *Maximum Content of the Element mg/kg in Complete Feeding stuffs*	Column 7 *Other Provisions*
E6	Zinc-Zn					
		Zinc lactate, trihydrate	$Zn(C_3H_5O_3)_2.3H_2O$	all animals	250 (total)	—
		Zinc acetate, dihydrate	$Zn(CH_3.COO)_2.2H_2O$	all animals	250 (total)	—
		Zinc carbonate	$ZnCO_3$	all animals	250 (total)	—
		Zinc chloride, monohydrate	$ZnCl_2.H_2O$	all animals	250 (total)	—
		Zinc oxide	ZnO	all animals	250 (total)	—
		Zinc sulphate, heptahydrate	$ZnSO_4.7H_2O$	all animals	250 (total)	—
		Zinc sulphate, monohydrate	$ZnSO_4.H_2O$	all animals	250 (total)	—
E7	Molybdenum-Mo					
		Ammonium molybdate	$(NH_4)_6Mo_7O_{24}.4H_2O$	all animals	2.5 (total)	—
		Sodium molybdate	$Na_2MoO_4.2H_2O$	all animals	2.5 (total)	—
E8	Selenium-Se				0.5 (total)	
		Sodium selenite	Na_2SeO_3			—
		Sodium selenate	Na_2SeO_4	all animals		—

PART VII

Aromatic and Appetising Substances

Column 1 *EEC No.*	Column 2 *Additives*	Column 3 *Chemical formula*	Column 4 *Species or category of animal*	Column 5 *Maximum age*	Column 6 *Maximum content mg/kg of complete feeding stuff*
	1. All natural products and corresponding synthetic products	—	All animals	—	—
	2. Artificial substances:				
E954 (i)	Saccharin	$C_7H_3NO_3S$	Piglets	Four months	150
E954 (ii)	Calcium saccharin	$C_7H_3NCaO_3S$	Piglets	Four months	150
E954 (iii)	Sodium saccharin	$C_7H_4NNaO_3S$	Piglets	Four months	150
E959	Neohesperidine dihydrochalcone	$C_{28}H_{36}O_{15}$	Piglets	Four months	35
			Dogs	—	35

PART VIII

Permitted Preservatives

Chapter A

Column 1 *EEC No.*	Column 2 *Name or Description*	Column 3 *Chemical Formula*
E200	Sorbic acid	$C_6H_8O_2$
E201	Sodium sorbate	$C_6H_7O_2Na$
E202	Potassium sorbate	$C_6H_7O_2K$
E203	Calcium sorbate	$C_{12}H_{14}O_4Ca$
E236	Formic acid	CH_2O_2
E237	Sodium formate	CHO_2Na
E238	Calcium formate	$C_2H_2O_4Ca$
E260	Acetic acid	$C_2H_4O_2$
E261	Potassium acetate	$C_2H_3O_2K$

Column 1 *EEC No.*	Column 2 *Name or Description*	Column 3 *Chemical Formula*
E262	Sodium diacetate	$C_4H_7O_4Na$
E263	Calcium acetate	$C_4H_6O_4Ca$
E270	Lactic acid	$C_3H_6O_3$
E280	Propionic acid	$C_3H_6O_2$
E281	Sodium propionate	$C_3H_5O_2Na$
E282	Calcium propionate	$C_6H_{10}O_4Ca$
E283	Potassium propionate	$C_3H_5O_2K$
E284	Ammonium propionate	$C_3H_9O_2N$
E295	Ammonium formate	CH_5O_2N
E296	DL-Malic acid	$C_4H_6O_5$
E297	Fumaric acid	$C_4H_4O_4$
E325	Sodium lactate	$C_3H_5O_3Na$
E326	Potassium lactate	$C_3H_5O_3K$
E327	Calcium lactate	$C_6H_{10}O_6Ca$
E330	Citric acid	$C_6H_8O_7$
E331	Sodium citrates	—
E332	Potassium citrates	—
E333	Calcium citrates	—
E334	L-Tartaric acid	$C_4H_6O_6$
E335	Sodium L-tartrates	—
E336	Potassium L-tartrates	—
E337	Potassium sodium L-tartrate	$C_4H_4O_6KNa.4H_2O$
E338	Orthophosphoric acid	H_3PO_4
E507	Hydrochloric acid for use in silage only	HCl
E513	Sulphuric acid for use in silage only	H_2SO_4

CHAPTER B

Column 1 *EEC No.*	Column 2 *Name or description*	Column 3 *Chemical formula*	Column 4 *Kind of animal*	Column 5 *Maximum content (mg/kg in complete feeding stuff)*
E222	Sodium hydrogensulphite (sodium bisulphite) } and fish Not permitted in unprocessed meat	$NaHSO_3$	Dogs and Cats	500 alone or together expressed as SO_2
E223	*di*Sodium disulphite (sodium metabisulphite) } and fish Not permitted in unprocessed meat and fish	$Na_2S_2O_5$	Dogs and Cats	500 alone or together expressed as SO_2
E250	Sodium nitrite	$NaNO_2$	Dogs and Cats	100 (canned feeding stuffs only)
E214	Ethyl 4-hydroxybenzoate	$C_9H_{10}O_3$	Pet Animals	No limit
E215	Sodium ethyl 4-hydroxybenzoate	$C_9H_9O_3Na$	Pet Animals	No limit
E216	Propyl 4-hydroxybenzoate	$C_{10}H_{12}O_3$	Pet Animals	No limit
E217	Sodium propyl 4-hydroxybenzoate	$C_{10}H_{11}O_3Na$	Pet Animals	No limit
E218	Methyl 4-hydroxybenzoate	$C_8H_8O_3$	Pet Animals	No limit
E219	Sodium methyl 4-hydroxybenzoate	$C_8H_7O_3Na$	Pet Animals	No limit
E490	Propane-1, 2-diol	$C_3H_8O_2$	Dogs	53000
E240	Formaldehyde	CH_2O	All species of animals	No limit (for silage only)
			Pigs up to the age of six months	600 (in skimmed milk only)

PART IX

Permitted Acidity Regulators for Pet Foods for Dogs and Cats

Column 1 *EEC No.*	Column 2 *Additive*
E170	Calcium carbonate
E296	DLand L-Malic acid
—	Ammonium dihydrogen orthophosphate
—	*di*Ammonium hydrogen orthophosphate
E339(i)	Sodium dihydrogen orthophosphate
E339(ii)	*di*Sodium hydrogen orthophosphate
E339(iii)	*tri*Sodium orthophosphate
E340(i)	Potassium dihydrogen orthophosphate
E340(ii)	*di*Potassium hydrogen orthophosphate
E340(iii)	*tri*Potassium orthophosphate
E341(i)	Calcium tetrahydrogen diorthophosphate
E341(ii)	Calcium hydrogen orthophosphate
E350(i)	Sodium malate (Salt of DLor L-Malic Acid)
E450(a)(i)	*di*Sodium dihydrogen diphosphate
E450(a)(iii)	*tetra*Sodium diphosphate
E450(a)(iv)	*tetra*Potassium diphosphate
E450(b)(i)	*penta*Sodium triphosphate
E450(b)(ii)	*penta*Potassium 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
E529	Calcium oxide
E540	*di*Calcium diphosphate