

**SCHEDULE 3**

**regulation 11**

**PERMITTED ADDITIVES AND PROVISIONS RELATING TO THEIR USE**

**F11.** .....

**Textual Amendments**

**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F12.** .....

**Textual Amendments**

**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F13.** .....

**Textual Amendments**

**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F14.** .....

**Textual Amendments**

**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F15.** .....

**Textual Amendments**

**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F16.** .....

**Textual Amendments**

**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F17.** .....

**Changes to legislation:** There are currently no known outstanding effects for the *The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)*

**Textual Amendments**  
**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F18.** .....

**Textual Amendments**  
**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F19.** .....

**Textual Amendments**  
**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F110.** .....

**Textual Amendments**  
**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**F111.** .....

**Textual Amendments**  
**F1** [Regulations](#) revoked (except reg. 17A, Sch. 3 Table Pts. 1-8 (for specified purposes) and Sch. 4 para. 19) (25.1.2006) by [The Feeding Stuffs \(Wales\) Regulations 2006 \(S.I. 2006/116\)](#), regs. 1, 7

**TABLE**  
**ADDITIVES CONTROLLED BY THE ADDITIVES DIRECTIVE**  
**PART I**  
**PERMITTED ANTIOXIDANTS<sup>1</sup>**

<b>Column 1</b> <b>EEC No.</b>	<b>Column 2</b> <b>Name or Description</b>	<b>Column 3</b> <b>Chemical Formula</b>	<b>Column 4</b> <b>Maximum content (mg/kg in complete feeding stuff)</b>	<b>Column 5</b> <b>Conditions</b>
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<sup>1</sup> 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.

E300	L-Ascorbic acid	$C_6H_8O_6$	}	
E301	Sodium L-ascorbate	$C_6H_7O_6Na$	}	
E302	Calcium Di(L-ascorbate)	$C_{12}H_{14}O_{12}Ca2H_2O$	}	
E303	5,6 Diacetyl-L-ascorbic acid	$C_{10}H_{12}O_5$	}	
E304	6-Palmitoyl-L-ascorbic acid	$C_{22}H_{38}O_7$	}	
E306	Tocopherol-rich extracts of natural origin	–	}	All feeding stuffs
E307	Synthetic <i>alpha</i> -tocopherol	$C_{29}H_{50}O_2$	}	
E308	Synthetic <i>gamma</i> -tocopherol	$C_{28}H_{48}O_2$	}	
E309	Synthetic <i>delta</i> -tocopherol	$C_{27}H_{46}O_2$	}	
E310	Propyl gallate	$C_{10}H_{12}O_5$	}	100 alone or together
E311	Octyle gallate	$C_{15}H_{22}O_5$	}	
E312	Dodecyl gallate	$C_{19}H_{30}O_5$	}	

<sup>1</sup> 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.

## [<sup>F2</sup>PART II

### PERMITTED COLOURANTS

#### Textual Amendments

**F2** Sch. 3 Table Pt. 2 substituted (3.12.2003) by [The Feeding Stuffs, the Feeding Stuffs \(Sampling and Analysis\) and the Feeding Stuffs \(Enforcement\) \(Amendment\) \(Wales\) \(No.2\) Regulations 2003 \(S.I. 2003/3119\)](#), regs. 1(2), 2(2), **Sch.**

<i>Column 1</i> <i>EECNo.</i>	<i>Column 2</i> <i>Name or Description</i>	<i>Column 3</i> <i>Chemical Formula, description</i>	<i>Column 4</i> <i>Kind of animal permitted</i>	<i>Column 5</i> <i>Maximum content (mg/kg in complete) feedingstuffs</i>	<i>Column 6</i> <i>Conditions</i>
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1. Carotenoids and xanthophylls:

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

<i>Column 1 EECNo.</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>
E160c	Capsanthin	C <sub>40</sub> H <sub>56</sub> O <sub>3</sub>	}	}	—
E160e	Beta-apo-8'- carotenal	C <sub>30</sub> H <sub>40</sub> O	}	}80	
E160f	Ethyl ester of beta-apo-8'- carotenoic acid	C <sub>32</sub> H <sub>44</sub> O <sub>2</sub>	}Poultry	}(alone or with the other carotenoids and xanthophylls)	
E161b	Lutein	C <sub>40</sub> H <sub>56</sub> O <sub>2</sub>	}	}	
E161c	Cryptoxanthin	C <sub>40</sub> H <sub>56</sub> O	}		
E161g	Canthaxanthin	C <sub>40</sub> H <sub>52</sub> O <sub>2</sub>	Poultry other than laying hens	25	The mixture of canthaxanthin with other carotenoids and xanthophylls is allowed provided that the total concentration of the mixture does not exceed 80 mg/kg in the complete feedingstuff
			Laying hens	8	The mixture of canthaxanthin with other carotenoids and xanthophylls is allowed provided that the total concentration of the mixture does not exceed 80 mg/kg in the complete feedingstuff

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

<i>Column 1</i> <i>EECNo.</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>
			Salmon, trout	25	Use permitted from the age of 6 months onwards. The mixture of canthaxanthin with asthaxanthin is allowed provided that the total concentration of the mixture does not exceed 100 mg/kg in the complete feedingstuff
			Dogs, cats and ornamental fish	—	—
	Canthaxanthin authorised for colouring foodstuffs by Community rules		All species or categories of animals other than poultry, salmon, trout, dogs and cats	—	Permitted in animal feedingstuffs only in products processed from: <ul style="list-style-type: none"> <li>(i) waste products of foodstuffs, or</li> <li>(ii) other base substances, with the exception of cereals and manioc flour, denatured by</li> </ul>

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

<i>Column 1</i> <i>EECNo.</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>
					means of these agents or coloured during technical preparation to ensure the necessary identification during manufacture
			Dogs and cats	—	—
			Poultry other than laying hens, salmon, trout	25	Permitted in animal feedingstuffs only in products processed from: <ul style="list-style-type: none"> <li>(i) waste products of foodstuffs, or</li> <li>(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</li> </ul>

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

<i>Column 1</i> <i>EECNo.</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>
			Laying hens	8	the necessary identification during manufacture  Permitted in animal feedingstuffs only in products processed from: (i) waste products of foodstuffs, or (ii) other base substances, with the exception of cereals and manioc flour, denatured by means of these agents or coloured during technical preparation to ensure the necessary identification during manufacture
E161h	Zeaxanthin	C <sub>40</sub> H <sub>56</sub> O <sub>2</sub>	Poultry	} 80 (alone or with other carotenoids	—

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

Column 1 EECNo.	Column 2 Name or Description	Column 3 Chemical Formula, description	Column 4 Kind of animal permitted	Column 5 Maximum content (mg/kg in complete) feedingstuffs and xanthophylls)	Column 6 Conditions
E161i	Citranaxanthin	C <sub>33</sub> H <sub>44</sub> O	Laying hens	}	
E161j	Astaxanthin	C <sub>40</sub> H <sub>52</sub> O <sub>4</sub>	(a) 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 100mg/kg in the complete feedingstuff
			(b) Ornamental fish	—	—
	2. Other colourants				
E102	Tartrazine	C <sub>16</sub> H <sub>9</sub> N <sub>4</sub> Na <sub>3</sub> O <sub>9</sub> S <sub>2</sub>	}		
E110	Sunset yellow FCF	C <sub>16</sub> H <sub>10</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>7</sub> S <sub>2</sub>	} Ornamental	—	—
E124	Ponceau 4R	C <sub>20</sub> H <sub>11</sub> N <sub>2</sub> Na <sub>3</sub> O <sub>10</sub> S <sub>3</sub>	} fish		
E127	Erythrosine	C <sub>20</sub> H <sub>6</sub> I <sub>4</sub> Na <sub>2</sub> O <sub>5</sub> H <sub>2</sub> O			
E131	Patent Blue V	Calcium salt of the disulphonic acid of m- hydroxytetra ethyl diamino	(a) All species or categories of animals with the exception of dogs and cats	—	Permitted in animal feedingstuffs only in products



**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

Column 1 EECNo.	Column 2 Name or Description	Column 3 Chemical Formula, description	Column 4 Kind of animal permitted	Column 5 Maximum content (mg/kg in complete) feedingstuffs	Column 6 Conditions
		triphenylcarbinol anhydride			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 <sub>16</sub> H <sub>8</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>8</sub> S <sub>2</sub>	Ornamental fish	—	—
E141	Chlorophyll copper complex	—	Ornamental fish	—	—
E142	Acid Brilliant Green BS, (Lissamine Green)	Sodium sale of 4,4'- bis (dimethylamino) diphenylmethyle -2- naphthol-3,6- disulphonic acid	(a) All species or categories of animals with the exception of dogs, cats and ornamental fish	—	Permitted in animal feedingstuffs only in products processed from:

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

Column 1 EECNo.	Column 2 Name or Description	Column 3 Chemical Formula, description	Column 4 Kind of animal permitted	Column 5 Maximum content (mg/kg in complete) feedingstuffs	Column 6 Conditions
					(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, cats and ornamental fish	—	—	
E153	Carbon black	C	}		
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>	}		
	3. All colourants (other than Patent Blue V and Acid Brilliant Green BS and Canthaxanthin) at present	—	(a) All species or categories of animals with the exception of dogs and cats		Permitted in animal feedingstuffs only in products processed from: (i) waste products

**Changes to legislation:** There are currently no known outstanding effects for the *The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3.* (See end of Document for details)

<i>Column 1 EECNo.</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>
	permitted for use in human food by [F3European Union] legislation as implemented by Regulations made under the Food Safety Act 1990 M1				(ii) of foodstuffs, or 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	—	—]

**Textual Amendments**

**F3** Words in Regulations substituted (22.4.2011) by [The Treaty of Lisbon \(Changes in Terminology\) Order 2011 \(S.I. 2011/1043\)](#), arts. 2, 3-6, 8-10

**Marginal Citations**

**M1** 1990 c. 16.

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

**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 }	
E400	Alginic acid }	
E401	Sodium alginate }	
E402	Potassium alginate }	
E404	Calcium alginate }	
E405	Propylene glycol alginate (propan-1,2-diol alginate) }	
E406	Agar }	
E407	Carrageenan }	
E410	Locust bean gum (carob gum) }	
E411	Tamarind seed flour }	
E412	Guar gum (guar flour) }	
E413	Tragacanth }	
E414	Acacia (gum arabic) }	
E415	Xanthan gum }	
E420	D-Glucitol (sorbitol) }	
E421	Mannitol }	
E422	Glycerol }	
E440	Pectins }	
E460	Mycrocrystalline cellulose }	
E460(ii)	Cellulose powder }	
E461	Methylcellulose }	
E462	Ethylcellulose }	
E463	Hydroxypropylcellulose }	
E464	Hydroxypropylmethylcellulose }	
E465	Ethylmethylcellulose }	
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 }	
E471	Monoacyl and diacylglycerols (mono- and diglycerides of fatty acids) }	
E472	Monoacyl and diacylglycerols esterified with the following acids: }	
	(a) (a) acetic }	
	(b) (b) lactic }	
	(c) (c) citric }	
	(d) (d) tartaric }	
	(e) <del>(e)</del> 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 (propan-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 }	
E484	Glycerol poly(ethylene glycol) ricinoleate }	
E486	Dextrans }	
E491	Sorbitan monostearate }	
E492	Sorbitan tristearate }	All feeding stuffs
E493	Sorbitan monolaurate }	
E494	Sorbitan mono-oleate }	

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

E495 Sorbitan monopalmitate }

**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 stuffs)</i>	<i>Column 5 Conditions</i>
E403	Ammonium Alginate	All species of animal 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 }	}	}	
E433	Polyoxyethylene (20) sorbitan mono-oleate }	}	}	
E434	Polyoxyethylene (20) sorbitan monopalmitate }	All species of animal }	5000 } (alone or with other Polysorbates) }	Milk replacer feeds only
E435	Polyoxyethylene (20) sorbitan monostearate }	}	}	
E436	Polyoxyethylene (20) sorbitan tristearate }	}	}	
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

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

E489	Ethers of polyglycerol and of alcohols obtained by the reduction of oleic and palmitic acids	Calves	5000 feeds only	Milk replacer
E490	Propan-1, 2-diol	Dairy cows Calves } Cattle for fattening } Lambs } Kids } Swine } Poultry }	12000 } 36000 }	All feeding stuffs
E496	Poly(ethylene glycol) 6000 }		300 }	
E497	Polyoxypropylene-polyoxyethylene polymers (M.W. 6800-9000 }	All species of animal	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</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 stuffs) or</i>	<i>Column 5</i> <i>Conditions</i>
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**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

			<i>of the daily ration</i>			
E672	A	Chickens for fattening	13500 }			
		Ducks for fattening	13500 }			
		Turkeys for fattening	13500 }		All feeding stuffs except feeding stuffs for young animals	
		Lambs for fattening	13500 }			
		Pigs for fattening	13500 }			
		Bovines for fattening	13500 }			
		Calves for fattening	25000 }		Only milk replacers	
		Other species of animal	–		All feeding stuffs	
E670	D <sub>2</sub>	Pigs	2000 }			
		Piglets	10000 }		In milk replacer feeds only }	
or		Cattle	4000 }		Simultaneous use of Vitamin D <sub>2</sub> and D <sub>3</sub> prohibited	
		Calves	10000 }			
		Sheep	4000 }			
		Lambs	10000 }			
		Horses	4000 }			
		Other species of animal except poultry and fish	2000 }			
E671	D <sub>3</sub>	Pigs	2000 }			



**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

Piglets	10000	In milk replacer feeds only }	Simultaneous use of 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	}	
Lamb	10000	In milk replacer feeds only }	
		}	
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>
F4	F4	F4	F4	F4	F4	F4
...	...	...	...	...	...	...
E2	Iodine-I	Calcium iodate, hexahydrate	Ca(IO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O	Equines fish	4 (total) 20 (total)	—

<sup>1</sup> 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.

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

		Calcium iodate, anhydrous	Ca(IO <sub>3</sub> ) <sub>2</sub>	} other species of animal	10 (total)	–
		Sodium iodide	NaI	}		–
		Potassium iodide	KI	}		–
F4	F4	F4	F4	F4	F4	F4
...	...	...	...	...	...	...
E7	Molybdenum	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)	–
	– Mo	Sodium molybdate	Na <sub>2</sub> MoO <sub>4</sub> ·2H <sub>2</sub> O	}		
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>	}		

<sup>1</sup> 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.

#### Textual Amendments

**F4** Words in Sch. 3 Table Pt. 5 deleted (9.7.2004) by The Feeding Stuffs, the Feeding Stuffs (Sampling and Analysis) and the Feeding Stuffs (Enforcement) (Amendment) (Wales) Regulations 2004 (S.I. 2004/1749), regs. 1, 2(2)

## 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 stuffs</i>
	1. All natural products and corresponding synthetic products	–	All animals	–	–
	2. Artificial substances:				

	Saccharin	$C_7H_5NO_3S$	Piglets	4 months	150
E954(i)	Calcium saccharin	$C_{14}H_8CaN_2O_6S_2$	Piglets	4 months	150
E954(ii)	Sodium saccharin	$C_7H_4NNaO_3S$	Piglets	4 months	150
E954(iii)	Neohesperidine	$C_{28}H_{36}O_{15}$	Piglets	4 months	35
E959	Dihydrochalcone		Dogs		35
			Calves		30
			Ovines		30

## PART VII

### PERMITTED PRESERVATIVES<sup>1</sup>

#### CHAPTER A

<i>Column 1</i> <b>EEC No.</b>	<i>Column 2</i> <b>Name or Description</b>	<i>Column 3</i> <b>Chemical Formula</b>	<i>Column 4</i> <b>Conditions</b>
E200	Sorbic acid	$C_6H_8O_2$ }	
E201	Sodium sorbate	$C_6H_7O_2Na$ }	
E202	Potassium sorbate	$C_6H_7O_2K$ }	
E203	Calcium sorbate	$C_{12}H_{14}O_4Ca$ }	
E237	Sodium formate	$CHO_2Na$ }	
E238	Calcium formate	$C_2H_2O_4Ca$ }	
E260	Acetic acid	$C_2H_4O_2$ }	
E261	Potassium acetate	$C_2H_3O_2K$ }	
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	$C_3H_5O_2Na$ }	All feeding stuffs
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	Fulmaric acid	$C_4H_4O_4$ }	

**Changes to legislation:** There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3. (See end of Document for details)

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	– }	All feeding stuffs
E336	Potassium L-tartrates	– }	
E337	Potassium sodium L-tartrate	$C_4H_4O_6KNa.4H_2O$ }	
E338	Orthophosphoric acid	$H_3PO_4$ }	
E507	Hydrochloric acid	HCl }	for use in silage only
E513	Sulphuric acid	$H_2SO_4$ }	

### 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 stuffs)</i>	<i>Column 6</i> <i>Minimum content (mg/kg in complete feeding stuffs)</i>	<i>Column 7</i> <i>Conditions</i>
E222	Sodium hydrogensulphite (sodium bisulphate)	$NaHSO_3$	Dogs and Cats	500 alone or together expressed as $SO_2$		All feeding stuffs except unprocessed meat and fish
E223	Disodium disulphite (Sodium metabisulphate)	$Na_2S_2O_5$	Dogs and Cats	500 alone or together expressed as $SO_2$		All feeding stuffs except unprocessed meat and fish
E250	Sodium nitrate	$NaNO_2$	Dogs and Cats	100 (feeding stuffs with a moisture content		

<sup>15(1)</sup> Note also that (as referred to in Part IX of this Table) one preservative is permitted by virtue of Commission Regulation (EC) No. 1594/1999<sup>M2</sup> and one by Commission Regulation (EC) No. 1252/2002<sup>M3</sup>.]

**Changes to legislation:** There are currently no known outstanding effects for the *The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3.* (See end of Document for details)

					exceeding 20% only)	
E214	Ethyl 4-hydroxybenzoate	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	Pet animals	No limit	}	
E215	Sodium ethyl 4-hydroxybenzoate	C <sub>9</sub> H <sub>9</sub> O <sub>3</sub> Na	Pet animals	No limit	}	
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	}	
E218	Methyl 4-hydroxybenzoate	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Pet animals	No limit	}	
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	53000	}	
E240	Formaldehyde	CH <sub>2</sub> O	All species of animals	No limit (For silage only)		
			Pigs up to the age of six months	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	1000	

<sup>F5(1)</sup> Note also that (as referred to in Part IX of this Table) one preservative is permitted by virtue of Commission Regulation (EC) No. 1594/1999<sup>M2</sup> and one by Commission Regulation (EC) No. 1252/2002<sup>M3</sup>.]

#### Textual Amendments

**F5** Sch. 3 Pt. 7 footnote substituted (1.5.2003) by [The Feeding Stuffs \(Amendment\) \(Wales\) Regulations 2003 \(S.I. 2003/989\)](#), regs. 1(1), **6(a)**

#### Marginal Citations

**M2** OJ No. L188, 21.7.1999, p.35.

**M3** OJ No. L183, 12.7.2002, p.10.

**PART VIII****PERMITTED ACIDITY REGULATORS FOR PET FOODS FOR DOGS AND CATS**

<b>Column 1</b> <b>EEC No.</b>	<b>Column 2</b> <b>Additive</b>
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

E540

Dicalcium diphosphate

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**<sup>F1</sup> PART IX**

**EUROPEAN COMMUNITY REGULATIONS  
BY WHICH ADDITIVES ARE CONTROLLED<sup>(1)</sup>**

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**Changes to legislation:**

There are currently no known outstanding effects for the The Feeding Stuffs (Wales) Regulations 2001, SCHEDULE 3.