

E number

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E numbers are number codes for food additives and are usually found on food labels throughout the European Union. The numbering scheme follows that of the International Numbering System (INS) as determined by the Codex Alimentarius committee. Only a subset of the INS additives are approved for use in the European Union, the 'E' prefix which stands for Europe. In casual language in the UK and Ireland, the term "E-number" is used as a pejorative term for artificial food additives, and products may promote themselves as "free of E-numbers" even though some of the ingredients (e.g. bicarbonate of soda) do have such a code.

E numbers are also encountered on food labeling in other jurisdictions, including the GCC, Australia, New Zealand and Israel. They are increasingly (though still rarely) found on North American packaging, especially in Canada.

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Classification by numeric range

100–199	100–109	yellows
Colours	110–119	oranges

	120–129	reds
	130–139	blues & violets
	140–149	greens
	150–159	browns & blacks
	160–199	others
	200–209	sorbates
	210–219	benzoates
	220–229	sulphites
	230–239	phenols & formates (methanoates)
	240–259	nitrates
	260–269	acetates (ethanoates)
	270–279	lactates
	280–289	propionates (propanoates)
	290–299	others
	300–305	ascorbates (vitamin C)
	306–309	Tocopherol (vitamin E)
	310–319	gallates & erythorbates
	320–329	lactates
	330–339	citrates & tartrates
	340–349	phosphates
	350–359	malates & adipates
	360–369	succinates & fumarates
	370–399	others
	400–409	alginates
	410–419	natural gums
	420–429	other natural agents
	430–439	polyoxyethene compounds
	440–449	natural emulsifiers
	450–459	phosphates
	460–469	cellulose compounds
	470–489	fatty acids & compounds
	490–499	others
	500–509	mineral acids & bases
	510–519	chlorides & sulphates
	520–529	sulphates & hydroxides
	530–549	alkali metal compounds
	550–559	silicates
	570–579	stearates & gluconates
200–299 Preservatives		
300–399 Antioxidants & acidity regulators		
400–499 Thickeners, stabilisers & emulsifiers		
500–599 pH regulators & anti-caking agents		

	580–599	others
	620–629	glutamates
600–699	630–639	inosinates
Flavour enhancers	640–649	others
	710–713	
700–799		
Antibiotics	900–909	waxes
	910–919	synthetic glazes
	920–929	improving agents
900–999	930–949	packaging gases
Miscellaneous	950–969	sweeteners
	990–999	foaming agents
1100–1599		
Additional chemicals		New chemicals that do not fall into standard classification schemes

NB: Not all examples of a class fall into the given numeric range. Moreover, many chemicals, particularly in the E400–499 range, have a variety of purposes.

Full list

Each additional has its status:

- permitted additionals are labeled with *N/a*;
- *forbidden additionals* were proven to cause diseases beyond any doubt;
- *unpermitted additionals* are those for which conclusive test data is not yet available either due to ongoing tests or no testing;
- *dangerous additionals* may be dangerous for people with chronic diseases.

E100–E199 (colours)

Code	Name	Purpose	Status
E100	Curcumin, turmeric	food colouring	N/A
E101	Riboflavin (Vitamin B ₂), formerly called lactoflavin (Vitamin G)	food colouring	N/A
E101a	Riboflavin-5'-Phosphate	food colouring	N/A
E102	Tartrazine (FD&C Yellow 5)	food colouring	<i>Unpermitted</i> only in EU, may be permitted in other states
E103	Chrysoine resorcinol	food colouring	N/A

E104	Quinoline yellow	food colouring	N/A
E105	Fast Yellow AB	food colouring	N/A
E106	Riboflavin-5-Sodium Phosphate	food colouring	N/A
E107	Yellow 2G	food colouring	N/A
E110	Sunset Yellow FCF, Orange Yellow S, FD&C Yellow 6	food colouring	N/A
E111	Orange GGN	food colouring	N/A
E120	Cochineal, Carminic acid, Carmines, Natural Red 4	food colouring	N/A
E121	Citrus Red 2	food colouring	<i>Forbidden</i>
E122	Carmoisine, Azorubine	food colouring	N/A
E123	Amaranth (FD&C Red 2)	food colouring	<i>Forbidden</i>
E124	Ponceau 4R, Cochineal Red A, Brilliant Scarlet 4R	food colouring	N/A
E125	Ponceau SX, Scarlet GN	food colouring	N/A
E126	Ponceau 6R	food colouring	N/A
E127	Erythrosine (FD&C Red 3)	food colouring	<i>Unpermitted</i>
E128	Red 2G	food colouring	<i>Forbidden</i>
E129	Allura Red AC (FD&C Red 40)	food colouring	N/A
E130	Indanthrene blue RS	food colouring	N/A
E131	Patent Blue V	food colouring	<i>Dangerous</i>
E132	Indigo carmine, Indigotine, FD&C Blue 2	food colouring	<i>Dangerous</i>
E133	Brilliant Blue FCF (FD&C Blue 1)	food colouring	N/A
E140	Chlorophylls and Chlorophyllins: (i) Chlorophylls (ii) Chlorophyllins	food colouring	N/A

E141	Copper complexes of chlorophylls and chlorophyllins (i) Copper complexes of chlorophylls (ii) Copper complexes of chlorophyllins	food colouring	N/A
E142	Greens S	food colouring	<i>Unpermitted only in EU, may be permitted in other states</i>
E143	Fast Green FCF (FD&C Green 3)	food colouring	N/A
E150a	Plain Caramel	food colouring	N/A
E150b	Caustic sulfite caramel	food colouring	N/A
E150c	Ammonia caramel	food colouring	N/A
E150d	Sulphite ammonia caramel	food colouring	N/A
E151	Black PN, Brilliant Black BN	food colouring	N/A
E152	Black 7984	food colouring	N/A
E153	Carbon black, Vegetable carbon	food colouring	N/A
E154	Brown FK, Kipper Brown	food colouring	<i>Unpermitted</i>
E155	Brown HT, Chocolate brown HT	food colouring	N/A
E160a	Alpha-carotene, Beta-carotene, Gamma-carotene	food colouring	N/A
E160b	Annatto, bixin, norbixin	<i>Dangerous</i>	N/A
E160c	Paprika extract, Capsanthin, capsorubin	food colouring	N/A
E160d	Lycopene	food colouring	N/A
E160e	Beta-apo-8'-carotenal (C 30)	food colouring	N/A
E160f	Ethyl ester of beta-apo-8'-carotenic acid (C 30)	food colouring	N/A
E161a	Flavoxanthin	food colouring	N/A
E161b	Lutein	food colouring	N/A

E161c Cryptoxanthin	food colouring	N/A
E161d Rubixanthin	food colouring	N/A
E161e Violaxanthin	food colouring	N/A
E161f Rhodoxanthin	food colouring	N/A
E161g Canthaxanthin	food colouring	N/A
E161h Zeaxanthin	food colouring	N/A
E161i Citranaxanthin	food colouring	N/A
E161j Astaxanthin	food colouring	N/A
E162 Beetroot Red, Betanin	food colouring	N/A
E163 Anthocyanins	food colouring	N/A
E170 Calcium carbonate, Chalk	food colouring	N/A
E171 Titanium dioxide	food colouring	N/A
E172 Iron oxides and hydroxides	food colouring	N/A
E173 Aluminium	food colouring	<i>Unpermitted</i>
E174 Silver	food colouring	N/A
E175 Gold	food colouring	N/A
E180 Pigment Rubine, Lithol Rubine BK	food colouring	<i>Unpermitted</i>
E181 Tannin	food colouring	N/A
E182 Orcein, Orchil	food colouring	N/A

E200–E299 (preservatives)

Code Name	Purpose	Status
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E200 Sorbic acid	preservative	N/A
E201 Sodium sorbate	preservative	N/A
E202 Potassium sorbate	preservative	N/A
E203 Calcium sorbate	preservative	N/A
E209 Heptyl p-hydroxybenzoate	preservative	N/A
E210 Benzoic acid	preservative	<i>Dangerous</i>
E211 Sodium benzoate	preservative	N/A
E212 Potassium benzoate	preservative	N/A
E213 Calcium benzoate	preservative	N/A
E214 Ethylparaben (ethyl para-hydroxybenzoate)	preservative	<i>Dangerous</i>
E215 Sodium ethyl para-hydroxybenzoate	preservative	N/A
E216 Propylparaben (propyl para-hydroxybenzoate)	preservative	<i>Forbidden</i>
E217 Sodium propyl para-hydroxybenzoate	preservative	<i>Forbidden</i>
E218 Methylparaben (methyl para-hydroxybenzoate)	preservative	N/A
E219 Sodium methyl para-hydroxybenzoate	preservative	N/A
E220 Sulphur dioxide	preservative	N/A
E221 Sodium sulphite	preservative	N/A
E222 Sodium bisulphite (sodium hydrogen sulphite)	preservative	N/A
E223 Sodium metabisulphite	preservative	N/A
E224 Potassium metabisulphite	preservative	N/A
E225 Potassium sulphite	preservative	N/A
E226 Calcium sulphite	preservative	N/A
E227 Calcium hydrogen sulphite (preservative)	firming agent	N/A
E228 Potassium hydrogen sulphite	preservative	N/A
E230 Biphenyl, diphenyl	preservative	<i>Dangerous</i>
E231 Orthophenyl phenol	preservative	<i>Dangerous</i>
E232 Sodium orthophenyl phenol	preservative	<i>Dangerous</i>
E233 Thiabendazole	preservative	N/A
E234 Nisin	preservative	N/A
E235 Natamycin, Pimaracin	preservative	N/A
E236 Formic acid	preservative	N/A
E237 Sodium formate	preservative	N/A
E238 Calcium formate	preservative	N/A
E239 Hexamine (hexamethylene tetramine)	preservative	<i>Dangerous</i>
E240 Formaldehyde	preservative	<i>Forbidden</i>
E242 Dimethyl dicarbonate	preservative	N/A
E249 Potassium nitrite	preservative	N/A
E250 Sodium nitrite	preservative	N/A

E251	Sodium nitrate	preservative	N/A
E252	Potassium nitrate (Saltpetre)	preservative	N/A
E260	Acetic acid (preservative)	acidity regulator	N/A
E261	Potassium acetate (preservative)	acidity regulator	N/A
E262	Sodium acetates (i) Sodium acetate (ii) Sodium hydrogen acetate (sodium diacetate)	preservative, acidity regulator	N/A
E263	Calcium acetate (preservative)	acidity regulator	N/A
E264	Ammonium acetate	preservative	N/A
E265	Dehydroacetic acid	preservative	N/A
E266	Sodium dehydroacetate	preservative	N/A
E270	Lactic acid (preservative) (acid)	antioxidant	N/A
E280	Propionic acid	preservative	N/A
E281	Sodium propionate	preservative	N/A
E282	Calcium propionate	preservative	N/A
E283	Potassium propionate	preservative	N/A
E284	Boric acid	preservative	N/A
E285	Sodium tetraborate (borax)	preservative	N/A
E290	Carbon dioxide	acidity regulator	N/A
E296	Malic acid (acid)	acidity regulator	N/A
E297	Fumaric acid	acidity regulator	N/A

E300–E399 (antioxidants, acidity regulators)

Code Name	Purpose	Status	
E300	Ascorbic acid (Vitamin C)	antioxidant	N/A
E301	Sodium ascorbate	antioxidant	N/A
E302	Calcium ascorbate	antioxidant	N/A
E303	Potassium ascorbate	antioxidant	N/A
E304	Fatty acid esters of ascorbic acid (i) Ascorbyl palmitate	antioxidant	N/A
E305	(ii) Ascorbyl stearate	antioxidant	N/A
E306	Tocopherol-rich extract (natural)	antioxidant	N/A
E307	Alpha-tocopherol (synthetic)	antioxidant	N/A
E308	Gamma-tocopherol (synthetic)	antioxidant	N/A
E309	Delta-tocopherol (synthetic)	antioxidant	N/A
E310	Propyl gallate	antioxidant	N/A
E311	Octyl gallate	antioxidant	<i>Dangerous</i>
E312	Dodecyl gallate	antioxidant	<i>Dangerous</i>
E313	Ethyl gallate	antioxidant	<i>Dangerous</i>

E314	Guaiac resin	antioxidant	N/A
E315	Erythorbic acid	antioxidant	N/A
E316	Sodium erythorbate	antioxidant	N/A
E317	Erythorbin acid	antioxidant	N/A
E318	Sodium erythorbin	antioxidant	N/A
E319	tert-Butylhydroquinone (TBHQ)	antioxidant	N/A
E320	Butylated hydroxyanisole (BHA)	antioxidant	N/A
E321	Butylated hydroxytoluene (BHT)	antioxidant	N/A
E322	Lecithin	emulsifier	N/A
E323	Anoxomer	antioxidant	N/A
E324	Ethoxyquin	antioxidant	N/A
E325	Sodium lactate	antioxidant	N/A
E326	Potassium lactate (antioxidant)	acidity regulator	N/A
E327	Calcium lactate	antioxidant	N/A
E328	Ammonium lactate	antioxidant	N/A
E329	Magnesium lactate	antioxidant	N/A
E330	Citric acid (antioxidant)	acidity regulator	N/A
E331	Sodium citrates (i) Monosodium citrate (ii) Disodium citrate (iii) Sodium citrate (trisodium citrate)	antioxidant	N/A
	Potassium citrates (i) Monopotassium citrate (ii) Potassium citrate (tripotassium citrate)	antioxidant	N/A
E333	Calcium citrates (i) Monocalcium citrate (ii) Dicalcium citrate (iii) Calcium citrate (tricalcium citrate)	acidity regulator, firming agent, sequestrant	N/A
E334	Tartaric acid (L(+)-)	(antioxidant)	N/A
E335	Sodium tartrates (i) Monosodium tartrate (ii), Disodium tartrate	antioxidant	N/A
	Potassium tartrates (i) Monopotassium tartrate (cream of tartar) (ii) Dipotassium tartrate	antioxidant	N/A
E337	Sodium potassium tartrate	antioxidant	N/A
E338	Orthophosphoric acid	antioxidant	N/A
E339	Sodium phosphates (i) Monosodium phosphate (ii) Disodium phosphate (iii) Trisodium phosphate	antioxidant	N/A
E340	Potassium phosphates (i)	antioxidant	N/A

	Monopotassium phosphate (ii) Dipotassium phosphate (iii) Tripotassium phosphate		
E341	Calcium phosphates (i) Monocalcium phosphate (ii) Dicalcium phosphate (iii) Tricalcium phosphate	anti-caking agent, firming agent	N/A
E342	Ammonium phosphates: (i) Monoammonium Orthophosphate (ii) Diammonium Orthophosphate		N/A
E343	Magnesium phosphates (i) monomagnesium phosphate (ii) Dimagnesium phosphate	anti-caking agent	<i>This additive is under discussion and may be included in a future amendment to the Directive on miscellaneous additives</i>
E344	Lecitin citrate	antioxidant	N/A
E345	Magnesium citrate	antioxidant	N/A
E349	Ammonium malate	antioxidant	N/A
E350	Sodium malates (i) Sodium malate (ii) Sodium hydrogen malate	acidity regulator	N/A
E351	Potassium malate	acidity regulator	N/A
E352	Calcium malates (i) Calcium malate (ii) Calcium hydrogen malate	acidity regulator	N/A
E353	Metatartaric acid	emulsifier	N/A
E354	Calcium tartrate	emulsifier	N/A
E355	Adipic acid	acidity regulator	N/A
E356	Sodium adipate	acidity regulator	N/A
E357	Potassium adipate	acidity regulator	N/A
E359	Ammonium adipate	acidity regulator	N/A
E363	Succinic acid	acidity regulator	N/A
E365	Sodium fumarate	acidity regulator	N/A
E366	Potassium fumarate	acidity regulator	N/A
E367	Calcium fumarate	acidity regulator	N/A
E368	Ammonium fumarate	acidity regulator	N/A
E370	1,4-Heptonolactone	acidity regulator	N/A
E375	Niacin (nicotinic acid), Nicotinamide	colour retention agent	N/A
E380	Triammonium citrate	acidity regulator	N/A
E381	Ammonium ferric citrate	acidity regulator	N/A

E383	Calcium glycerylphosphate	acidity regulator	N/A
E384	Isopropyl citrate	acidity regulator	N/A
E385	Calcium disodium ethylene diamine tetraacetate, (Calcium disodium EDTA)	sequestrant	N/A
E386	Disodium ethylene diamine tetraacetate (Disodium EDTA)	sequestrant	N/A
E387	Oxystearin		N/A
E388	Thiodipropionic acid		<i>Unpermitted</i>
E389	Dilauryl thiodipropionate		<i>Unpermitted</i>
E390	Distearyl thiodipropionate		N/A
E391	Phytic acid		N/A
E399	Calcium lactobionate		N/A

E400–E499 (thickeners, stabilizers, emulsifiers)

Code	Name	Purpose	Status
E400	Alginic acid (thickener) (stabiliser) (gelling agent)	emulsifier	N/A
E401	Sodium alginate (thickener) (stabiliser) (gelling agent)	emulsifier	N/A
E402	Potassium alginate (thickener) (stabiliser) (gelling agent)	emulsifier	N/A
E403	Ammonium alginate (thickener) (stabiliser)	emulsifier	N/A
E404	Calcium alginate (thickener) (stabiliser) (gelling agent)	emulsifier	N/A
E405	Propane-1,2-diol alginate (Propylene glycol alginate) (thickener) (stabiliser)	emulsifier	N/A
E406	Agar (thickener) (gelling agent)	stabiliser	N/A
E407	Carrageenan (thickener) (stabiliser) (gelling agent)	emulsifier	N/A
E407a	Processed eucheuma seaweed (thickener) (stabiliser) (gelling agent)	emulsifier	N/A
E408	Bakers yeast glycan		N/A
E409	Arabinogalactan		N/A
E410	Locust bean gum (Carob gum) (thickener) (stabiliser) (gelling agent)	emulsifier	N/A
E411	Oat gum(thickener)	stabiliser	N/A
E412	Guar gum (thickener)	stabiliser	N/A
E413	Tragacanth (thickener) (stabiliser)	emulsifier	N/A

E414	Acacia gum (gum arabic) (thickener) (stabiliser)	emulsifier	N/A
E415	Xanthan gum (thickener)	stabiliser	N/A
E416	Karaya gum (thickener) (stabiliser)	emulsifier	N/A
E417	Tara gum (thickener)	stabiliser	N/A
E418	Gellan gum (thickener) (stabiliser)	emulsifier	N/A
E419	Gum ghatti (thickener) (stabiliser)	emulsifier	N/A
E420	Sorbitol (i) Sorbitol (ii) Sorbitol syrup (emulsifier) (sweetener)	humectant	N/A
E421	Mannitol (anti-caking agent)	sweetener	N/A
E422	Glycerol (emulsifier)	sweetener	N/A
E424	Curdlan		<i>Unpermitted</i>
E425	Konjac (i) Konjac gum (ii) Konjac glucomannane	emulsifier	<i>Unpermitted only in EU, may be permitted in other states</i>
E429	Peptones		N/A
E430	Polyoxyethene (8) stearate (emulsifier)	stabiliser	N/A
E431	Polyoxyethene (40) stearate	emulsifier	N/A
E432	Polyoxyethene (20) sorbitan monolaurate (polysorbate 20)	emulsifier	N/A
E433	Polyoxyethene (20) sorbitan monooleate (polysorbate 80)	emulsifier	N/A
E434	Polyoxyethene (20) sorbitan monopalmitate (polysorbate 40)	emulsifier	N/A
E435	Polyoxyethene (20) sorbitan monostearate (polysorbate 60)	emulsifier	N/A
E436	Polyoxyethene (20) sorbitan tristearate (polysorbate 65)	emulsifier	N/A
E440	Pectins (i) pectin (ii) amidated pectin	emulsifier	N/A
E441	Gelatine (emulsifier)	gelling agent	N/A
E442	Ammonium phosphatides	emulsifier	N/A
E443	Brominated vegetable oil		N/A
E444	Sucrose acetate isobutyrate	emulsifier	N/A
E445	Glycerol esters of wood resins	emulsifier	N/A
E446	Succistearin		N/A
E450	Diphosphates (i) Disodium diphosphate (ii) Trisodium diphosphate (iii) Tetrasodium diphosphate (iv) Dipotassium diphosphate (v) Tetrapotassium diphosphate (vi) Dicalcium diphosphate (vii) Calcium	emulsifier	N/A

	dihydrogen diphosphate		
E451	Triphosphates (i) Sodium tripolyphosphate (pentasodium triphosphate) (ii) Pentapotassium triphosphate	emulsifier	N/A
E452	Polyphosphates (i) Sodium polyphosphates (ii) Potassium polyphosphates (iii) Sodium calcium polyphosphate (iv) Calcium polyphosphates (v) Ammonium Polyphosphate	emulsifier	N/A
E459	Beta-cyclodextrine	emulsifier	N/A
E460	Cellulose (i) Microcrystalline cellulose (ii) Powdered cellulose	emulsifier	N/A
E461	Methyl cellulose	emulsifier	N/A
E462	Ethyl cellulose	emulsifier	N/A
E463	Hydroxypropyl cellulose	emulsifier	N/A
E464	Hydroxy propyl methyl cellulose, = hypromellose	emulsifier	N/A
E465	Ethyl methyl cellulose	emulsifier	N/A
E466	Carboxymethyl cellulose, Sodium carboxy methyl cellulose	emulsifier	N/A
E466	Ethyl hydroxyethyl cellulose		N/A
E468	Crosslinked sodium carboxymethyl cellulose (Croscarmellose)	emulsifier	This additive is under discussion and may be included in a future amendment to the Directive on miscellaneous additives
E469	Enzymically hydrolysed carboxymethylcellulose	emulsifier	N/A
E470	Salts of fatty acids with base Al, Ca, Na, Mg, K and NH ₄		N/A
E470a	Sodium, potassium and calcium salts of fatty acids (emulsifier)	anti-caking agent	N/A
E470b	Magnesium salts of fatty acids (emulsifier)	anti-caking agent	N/A
E471	Mono- and diglycerides of fatty acids (glyceryl monostearate, glyceryl distearate)	emulsifier	N/A
E472a	Acetic acid esters of mono- and diglycerides of fatty acids	emulsifier	N/A
E472b	Lactic acid esters of mono- and diglycerides	emulsifier	N/A

	of fatty acids		
E472c	Citric acid esters of mono- and diglycerides of fatty acids	emulsifier	N/A
E472d	Tartaric acid esters of mono- and diglycerides of fatty acids	emulsifier	N/A
E472e	Mono- and diacetyl tartaric acid esters of mono- and diglycerides of fatty acids	emulsifier	N/A
E472f	Mixed acetic and tartaric acid esters of mono- and diglycerides of fatty acids	emulsifier	N/A
E472g	Succinylated monoglycerides	emulsifier	N/A
E473	Sucrose esters of fatty acids	emulsifier	N/A
E474	Sucroglycerides	emulsifier	N/A
E475	Polyglycerol esters of fatty acids	emulsifier	N/A
E476	Polyglycerol polyricinoleate	emulsifier	N/A
E477	Propane-1, 2-diol esters of fatty acids, propylene glycol esters of fatty acids	emulsifier	N/A
E478	Lactylated fatty acid esters of glycerol and propane-1	emulsifier	N/A
E479b	Thermally oxidized soya bean oil interacted with mono- and diglycerides of fatty acids	emulsifier	N/A
E480	Dioctyl sodium sulphosuccinate	emulsifier	N/A
E481	Sodium stearyl-2-lactylate	emulsifier	N/A
E482	Calcium stearyl-2-lactylate	emulsifier	N/A
E483	Stearyl tartrate	emulsifier	N/A
E484	Stearyl citrate	emulsifier	N/A
E485	Sodium Stearoyl Fumarate	emulsifier	N/A
E486	Calcium Stearoyl Fumarate	emulsifier	N/A
E487	Sodium laurylsulphate	emulsifier	N/A
E488	Ethoxylated Mono- and Di-Glycerides	emulsifier	N/A
E489	Methyl Glucoside - Coconut Oil Ester	emulsifier	N/A
E490	Propane-1,2-diol		N/A
E491	Sorbitan monostearate	emulsifier	N/A
E492	Sorbitan tristearate	emulsifier	N/A
E493	Sorbitan monolaurate	emulsifier	N/A
E494	Sorbitan monooleate	emulsifier	N/A
E495	Sorbitan monopalmitate	emulsifier	N/A
E496	Sorbitan trioleat	emulsifier	N/A
E497	Polyoxypropylene-polyoxyethylene polymers		N/A
E498	Partial polyglycerol esters of polycondensed		N/A

fatty acids of castor oil
E499 Cassia gum

N/A

E500–E599 (acidity regulators, anti-caking agents)

Code	Name	Purpose	Status
E500	Sodium carbonates (i) Sodium carbonate (ii) Sodium bicarbonate (Sodium hydrogen carbonate) (iii) Sodium sesquicarbonate (acidity regulator)	raising agent	N/A
E501	Potassium carbonates (i) Potassium carbonate (ii) Potassium bicarbonate (Potassium hydrogen carbonate)	acidity regulator	N/A
E503	Ammonium carbonates (i) Ammonium carbonate (ii) Ammonium bicarbonate (Ammonium hydrogen carbonate)	acidity regulator	N/A
E504	Magnesium carbonates (i) Magnesium carbonate (ii) Magnesium bicarbonate Magnesium hydrogen carbonate	acidity regulator, anti-caking agent	N/A
E505	Ferrous carbonate		N/A
E507	Hydrochloric acid	acid	N/A
E508	Potassium chloride (gelling agent)	seasoning	N/A
E509	Calcium chloride (sequestrant)	firming agent	N/A
E510	Ammonium chloride, ammonia solution (acidity regulator)	improving agent	N/A
E511	Magnesium chloride	firming agent	N/A
E512	Stannous chloride	antioxidant	<i>Unpermitted</i>
E513	Sulphuric acid	acid	N/A
E514	Sodium sulphates (i) Sodium sulphate (ii)		N/A
E515	Potassium Sulphates (i) Potassium Sulphate (ii)		N/A
E516	Calcium sulphate		N/A
E517	Ammonium sulphate	improving agent	N/A
E518	Magnesium sulfate (Epsom salts), (acidity regulator)	firming agent	N/A
E519	Copper(II) sulphate	preservative	N/A
E520	Aluminium sulphate	firming agent	N/A
E521	Aluminium sodium sulphate	firming agent	N/A
E522	Aluminium potassium sulphate	acidity regulator	N/A
E523	Aluminium ammonium sulphate	acidity regulator	N/A
E524	Sodium hydroxide	acidity regulator	N/A
E525	Potassium hydroxide	acidity regulator	N/A

E526	Calcium hydroxide (acidity regulator)	firming agent	N/A
E527	Ammonium hydroxide	acidity regulator	N/A
E528	Magnesium hydroxide	acidity regulator	N/A
E529	Calcium oxide (acidity regulator)	improving agent	N/A
E530	Magnesium oxide (acidity regulator)	anti-caking agent	N/A
E535	Sodium ferrocyanide (acidity regulator)	anti-caking agent	N/A
E536	Potassium ferrocyanide	anti-caking agent	N/A
E537	Ferrous hexacyanomanganate		<i>Unpermitted</i>
E538	Calcium ferrocyanide	anti-caking agent	N/A
E539	Sodium thiosulphate		N/A
E540	Dicalcium diphosphate (acidity regulator)	emulsifier	N/A
E541	Sodium aluminium phosphate (i) Acidic (ii) Basic	emulsifier	N/A
E542	Bone phosphate (Essentiale Calcium Phosphate, Tribasic)	anti-caking agent	N/A
E543	Calcium sodium polyphosphate		N/A
E544	Calcium polyphosphate	emulsifier	N/A
E545	Ammonium polyphosphate	emulsifier	N/A
E550	Sodium Silicates (i) Sodium Silicate (ii) Sodium Metasilicate	anti-caking agent	N/A
E551	Silicon dioxide (Silica) (emulsifier)	anti-caking agent	N/A
E552	Calcium silicate	anti-caking agent	N/A
E553a	(i) Magnesium silicate (ii) Magnesium trisilicate	anti-caking agent	N/A
E553b	Talc	anti-caking agent	N/A
E554	Sodium aluminosilicate (sodium aluminium silicate)	anti-caking agent	N/A
E555	Potassium aluminium silicate	anti-caking agent	N/A
E556	Calcium aluminosilicate (calcium aluminium silicate)	anti-caking agent	N/A
E557	Zinc silicate		<i>Unpermitted</i>
E558	Bentonite	anti-caking agent	N/A
E559	Aluminium silicate (Kaolin)	anti-caking agent	N/A
E560	Potassium silicate	anti-caking agent	N/A
E561	Vermiculite		N/A
E562	Sepiolite		N/A
E563	Sepiolitic clay		N/A
E565	Lignosulphonates		N/A
E566	Natrolite-phonolite		N/A
E570	Stearic acid (Fatty acid)	anti-caking agent	N/A
E572	Magnesium stearate, calcium stearate (emulsifier)	anti-caking agent	N/A

E574	Gluconic acid	acidity regulator	N/A
E575	Glucono-delta-lactone (acidity regulator)	sequestrant	N/A
E576	Sodium gluconate	sequestrant	N/A
E577	Potassium gluconate	sequestrant	N/A
E578	Calcium gluconate	firming agent	N/A
E579	Ferrous gluconate	food colouring	N/A
E580	Magnesium gluconate		N/A
E585	Ferrous lactate	food colouring	N/A
E586	4-Hexylresorcinol	antioxidant	N/A
E598	Synthetic calcium aluminates		N/A
E599	Perlite		N/A

E600–E699 (flavour enhancers)

Code Name	Purpose	Status
E620	Glutamic acid	flavour enhancer N/A
E621	Monosodium glutamate (MSG)	flavour enhancer N/A
E622	Monopotassium glutamate	flavour enhancer N/A
E623	Calcium diglutamate	flavour enhancer N/A
E624	Monoammonium glutamate	flavour enhancer N/A
E625	Magnesium diglutamate	flavour enhancer N/A
E626	Guanylic acid	flavour enhancer N/A
E627	Disodium guanylate, sodium guanylate	flavour enhancer N/A
E628	Dipotassium guanylate	flavour enhancer N/A
E629	Calcium guanylate	flavour enhancer N/A
E630	Inosinic acid	flavour enhancer N/A
E631	Disodium inosinate	flavour enhancer N/A
E632	Dipotassium inosinate	flavour enhancer N/A
E633	Calcium inosinate	flavour enhancer N/A
E634	Calcium 5'-ribonucleotides	flavour enhancer N/A
E635	Disodium 5'-ribonucleotides	flavour enhancer N/A
E636	Maltol	flavour enhancer N/A
E637	Ethyl maltol	flavour enhancer N/A
E640	Glycine and its sodium salt	flavour enhancer N/A
E641	L-leucine	flavour enhancer N/A
E642	Lysine hydrochloride	flavour enhancer N/A
E650	Zinc acetate	flavour enhancer N/A

E700–E799 (antibiotics)

Code Name	Purpose Status
E710 Spiramycins	N/A
E713 Tylosin	N/A

E900–E999 (miscellaneous)

Code Name	Purpose	Status
E900 Dimethyl polysiloxane (anti-foaming agent)	anti-caking agent	N/A
E901 Beeswax , white and yellow	glazing agent	N/A
E902 Candelilla wax	glazing agent	N/A
E903 Carnauba wax	glazing agent	N/A
E904 Shellac	glazing agent	N/A
E905 Paraffins		N/A
E905a Mineral oil	anti-foaming agent	N/A
E905b Petrolatum		N/A
E905c Petroleum wax (i)Microcrystalline wax (ii) Paraffin wax	glazing agent	N/A
E906 Gum benzoic	flavour enhancer	N/A
E907 Crystalline wax	glazing agent	N/A
E908 Rice bran wax	glazing agent	N/A
E909 Spermaceti Wax	glazing agent	N/A
E910 Wax esters	glazing agent	N/A
E911 Methyl esters of fatty acids glazing agent)		N/A
E912 Montan wax	glazing agent	<i>Unpermitted</i>
E913 Lanolin, sheep wool grease	glazing agent	N/A
E914 Oxidized polyethylene wax	glazing agent	<i>Unpermitted</i>
E915 Esters of colophony	glazing agent	N/A
E916 Calcium iodate		<i>Unpermitted</i>
E917 Potassium iodate		<i>Unpermitted</i>
E918 Nitrogen oxides		<i>Unpermitted</i>
E919 Nitrogen chloride		<i>Unpermitted</i>
E920 L-cysteine	improving agent	N/A
E921 L-cystine	improving agent	N/A
E922 Potassium persulfate	improving agent	<i>Unpermitted</i>
E923 Ammonium persulfate	improving agent	<i>Unpermitted</i>
E924 Potassium bromate	improving agent	N/A
E924b Calcium bromate	improving agent	<i>Unpermitted</i>
E925 Chlorine	preservative, bleach, improving agent	<i>Unpermitted</i>

E926	Chlorine dioxide (preservative)	bleach	<i>Unpermitted</i>
E927a	Azodicarbonamide	improving agent	N/A
E927b	Carbamide (urea)	improving agent	N/A
E928	Benzoyl peroxide (improving agent)	bleach	N/A
E929	Acetone peroxide		<i>Unpermitted</i>
E930	Calcium peroxide (improving agent)	bleach	N/A
E938	Argon	packaging gas	N/A
E939	Helium	packaging gas	N/A
E940	Dichlorodifluoromethane	packaging gas	<i>Rarely used</i>
E941	Nitrogen (packaging gas)	propellant	N/A
E942	Nitrous oxide	propellant	N/A
E943a	Butane	propellant	N/A
E943b	Isobutane	propellant	N/A
E944	Propane	propellant	N/A
E945	Chloropentafluoroethane	propellant	N/A
E946	Octafluorocyclobutane	propellant	N/A
E948	Oxygen	packaging gas	N/A
E949	Hydrogen	packaging gas	N/A
E950	Acesulfame potassium	sweetener	N/A
E951	Aspartame	sweetener	
E952	Cyclamic acid and its sodium and calcium salts, also known as Cyclamate	sweetener	N/A
E953	Isomalt, Isomaltitol	sweetener	N/A
E954	Saccharin and its sodium, potassium and calcium salts	sweetener	N/A
E955	Sucralose (Trichlorogalactosucrose)	sweetener	N/A
E956	Alitame	sweetener	N/A
E957	Thaumatococcus (sweetener)	flavour enhancer	N/A
E958	Glycyrrhizin (sweetener)	flavour enhancer	N/A
E959	Neohesperidine dihydrochalcone (sweetener)	flavour enhancer	N/A
E960	Stevioside	sweetener	N/A
E961	Neotame		N/A
E962	Aspartame-acesulfame salt (sweetener)	stabiliser	N/A
E965	Maltitol (i) Maltitol (ii) Maltitol syrup (sweetener) (stabiliser)	humectant	N/A
E966	Lactitol	sweetener	N/A
E967	Xylitol	sweetener	N/A
E968	Erythritol	humectant	N/A
E999	Quillaia extract	foaming agent	N/A

E1000–E1999 (additional chemicals)

Code	Name	Purpose	Status
E1000	Cholic acid	emulsifier	N/A
E1001	Choline salts	emulsifier	N/A
E1100	Amylase		N/A
E1101	Protease	stabiliser, flavour enhancer	N/A
E1102	Glucose oxidase		N/A
E1103	Invertase	stabiliser	N/A
E1104	Lipases		N/A
E1105	Lysozyme	preservative	N/A
E1200	Polydextrose	stabiliser, thickening agent, humectant, carrier	N/A
E1201	Polyvinylpyrrolidone	stabiliser	N/A
E1202	Polyvinylpolypyrrolidone (carrier)	stabiliser	N/A
E1204	Pullulan		N/A
E1400	Dextrin (stabiliser)	thickening agent	N/A
E1401	Modified starch (stabiliser)	thickening agent	N/A
E1402	Alkaline modified starch (stabiliser)	thickening agent	N/A
E1403	Bleached starch (stabiliser)	thickening agent	N/A
E1404	Oxidized starch (emulsifier)	thickening agent	N/A
E1405	Enzyme treated starch		N/A
E1410	Monostarch phosphate (stabiliser)	thickening agent	N/A
E1411	Distarch glycerol (thickening agent)	emulsifier	N/A
E1412	Distarch phosphate (stabiliser)	thickening agent	N/A
E1413	Phosphated distarch phosphate (stabiliser)	thickening agent	N/A
E1414	Acetylated distarch phosphate (emulsifier)	thickening agent	N/A
E1420	Acetylated starch, mono starch acetate (stabiliser)	thickening agent	N/A
E1421	Acetylated starch, mono starch acetate (stabiliser)	thickening agent	N/A
E1422	Acetylated Distarch Adipate (stabiliser)	thickening agent	N/A
E1423	Acetylated distarch glycerol	thickening agent	N/A
E1430	Distarch glycerine (stabiliser)	thickening agent	N/A
E1440	Hydroxy propyl starch (emulsifier)	thickening agent	N/A
E1441	Hydroxy propyl distarch glycerine (stabiliser)	thickening agent	N/A
E1442	Hydroxy propyl distarch phosphate (stabiliser)	thickening agent	N/A

E1443	Hydroxy propyl distarch glycerol		N/A
E1450	Starch sodium octenyl succinate (emulsifier) (stabiliser)	thickening agent	N/A
E1451	Acetylated oxidised starch (emulsifier)	thickening agent	N/A
E1501	Benzylated hydrocarbons		N/A
E1502	Butane-1, 3-diol		N/A
E1503	Castor oil		N/A
E1504	Ethyl acetate		N/A
E1505	Triethyl citrate	foam stabiliser	N/A
E1510	Ethanol		N/A
E1516	Glyceryl monoacetate		N/A
E1517	Glyceryl diacetate or diacetin		N/A
E1518	Glyceryl triacetate or triacetin	humectant	N/A
E1519	Benzyl alcohol		N/A
E1520	Propylene glycol	humectant	N/A
E1521	Polyethylene glycerol		N/A
E1525	Hydroxy ethyl cellulose		N/A