

FOOD ADDITIVES,  
WHICH DO NOT NEGATIVELY AFFECT HUMAN HEALTH  
WHEN USED FOR PRODUCTION OF  
FOOD PRODUCTS

(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

Index	Name of Food Additives (including Latin Name)	Technological Functions
1	2	3
E100	Curcumins (CURCUMINS) (i) Curcumin (Curcumin) Natural colouring agent from Curcuma longa and other species (ii) Turmeric (Turmeric) Turmeric is powder of curcuma rootstock	colouring agent
E101	Riboflavins (RIBOFLAVINS) (i) Riboflavin (Riboflavin) (ii) Sodium salt riboflavin 5-phosphate (Riboflavin 5-phosphate sodium)	colouring agent
E102	Tartrazine (TARTRAZINE)	colouring agent
E103	Alkanet, Alkanin (ALKANET)	colouring agent
E104	Quinoline yellow (QUINOLINE YELLOW)	colouring agent
E107	Yellow 2G (YELLOW 2G)	colouring agent
E110	Sunset Yellow FCF (SUNSET YELLOW FCF)	colouring agent
E120	Carmines (CARMINES)	colouring agent
E122	Azorubine, carmoisine (AZORUBINE)	colouring agent
E124	Ponceau 4R, Brilliant Scarlet 4R (PONCEAU 4R)	colouring agent

Import of food products produced with the use of food additive E128 into the territory of the Russian Federation, as well as production and circulation thereof in the territory of the Russian Federation is prohibited by Resolution No. 68 of Chief State Sanitary Inspector of the RF dated 03.09.2007.

E128	Red 2G (RED 2G)	colouring agent
E129	Allura red AC (ALLURA RED AC)	colouring agent
E131	Patent blue V (PATENT BLUE V)	colouring agent
E132	Indigo carmine (INDIGOTINE)	colouring agent
E133	Brilliant Blue FCF (BRILLIANT BLUE FCF)	colouring agent
E140	Chlorophyll (CHLOROPHYLL)	colouring agent
E141	Copper complexes of chlorophylls (COPPER CHLOROPHYLLS) (i) Chlorophyll copper complex (Chlorophyll copper complex) (ii) Chlorophyllin copper complex, sodium and potassium salts (Chlorophyllin copper complex, sodium and potassium salts)	colouring agent
E142	Green S (GREEN S)	colouring agent
E143	Fast green FCF (FAST GREEN FCF)	colouring agent
E150a	Plain caramel (CAMEL I - Plain)	colouring agent
E150b	Caustic sulphite caramel, obtained through alkali- sulphite technology (CAMEL II - Caustic sulphite process)	colouring agent
E150c	Ammonia caramel, obtained through ammonia technology (CAMEL III - Ammonia process)	colouring agent
E150d	Sulphite ammonia caramel, obtained through ammonia - sulphite technology (CAMEL IV - Ammonia-sulphite process)	colouring agent
E151	Brilliant black PN (BRILLIANT BLACK PN)	colouring agent
E152	Carbon black (CARBON BLACK (hydrocarbon))	colouring agent
E153	Vegetable carbon (VEGETABLE CARBON)	colouring agent
E155	Brown HT (BROWN HT)	colouring agent

E160a	Carotenes (CAROTENES) (i) beta - Carotene synthetic (Beta - carotene synthetic) (ii) Natural carotenes extracts (NATURAL EXTRACTS)	colouring agent
E160b	Annato extracts (ANNATO EXTRACTS)	colouring agent
E160c	Paprika oleoresins (PAPRIKA OLEORESINS)	colouring agent
E160d	Lycopene (LYCOPENE)	colouring agent
E160e	beta - apo carotenal (BETA - APO - CAROTENAL)	colouring agent
E160f	beta-Apo-8-carotenoic acid methyl or ethyl ester (BETA-APO-8'-CAROTENOIC ACID, METHYL OR ETHYL ESTER)	colouring agent
E161a	Flavoxanthin (FLAVOXANTHIN)	colouring agent
E161b	Lutein (LUTEIN)	colouring agent
E161c	Kryptoxanthin (KRYPTOXANTHIN)	colouring agent
E161d	Rubixanthin (RUBIXANTHIN)	colouring agent
E161e	Violoxanthin (VIOLOXANTHIN)	colouring agent
E161f	Rhodoxanthin (RHODOXANTHIN)	colouring agent
E161g	Canthaxanthin (CANTHAXANTHIN)	colouring agent
E162	Beetroot red (BEET RED)	colouring agent
E163	Anthocyanins (ANTHOCYANIN) (i) Anthocyanins (Anthocyanins) (ii) Grape skin extract (Grape skin extract) (iii) Blackcurrant extract (Blackcurrant extract)	colouring agent
E170	Calcium carbonates (CALCIUM CARBONATES) (i) Calcium carbonate (Calcium carbonate) (ii) Calcium hydrogen carbonate (Calcium hydrogen carbonate)	surface colouring agent, anti-caking and anti-clumping additive, stabilizer
E171	Titanium dioxide (TITANIUM DIOXIDE)	colouring agent
E172	Iron oxides (IRON OXIDES) (i) iron oxide (+2, +3), black (Iron oxide, black) (ii) iron oxide (+3), red (Iron oxide, red) (iii) Iron oxide (+3), yellow (Iron oxide, yellow)	colouring agents
E174	Silver (SILVER)	colouring agent

E175	Gold (GOLD)	colouring agent
E181	Tannins, food grade (TANNINS, FOOD GRADE)	colouring agent, emulsifier, stabilizer
E182	Orcein, Orchil (ORCHIL)	colouring agent
E200	Sorbic acid (SORBIC ACID)	preservative
E201	Sodium sorbate (SODIUM SORBATE)	preservative
E202	Potassium sorbate (POTASSIUM SORBATE)	preservative
E203	Calcium sorbate (CALCIUM SORBATE)	preservative
E209	Heptyl p-hydroxybenzoate (HEPTYL p-HYDROXYBENZOATE)	preservative
E210	Benzoic acid (BENZOIC ACID)	preservative
E211	Sodium benzoate (SODIUM BENZOATE)	preservative
E212	Potassium benzoate (POTASSIUM BENZOATE)	preservative
E213	Calcium benzoate (CALCIUM BENZOATE)	preservative
E214	Ethylparaben (ETHYL p-HYDROXYBENZOATE)	preservative
E215	Sodium ethyl p-hydroxybenzoate (SODIUM ETHYL p-HYDROXYBENZOATE)	preservative

Import of food products produced with the use of food additive E 216 (Propyl p-hydroxybenzoate) into the territory of the Russian Federation is prohibited. Moreover, the use of this additive in production of food products is prohibited from March 1, 2005 (Resolution No.1 of Chief State Sanitary Inspector of the RF dated 18.01.2005).

E216	Propylparaben (PROPYL p-HYDROXYBENZOATE)	preservative
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Import of food products produced with the use of food additive E 217 (Propyl p-hydroxybenzoate, sodium salt) into the territory of the Russian Federation is prohibited. Moreover, the use of this additive in production of food products is prohibited from March 1, 2005. (Resolution No.1 of Chief State Sanitary Inspector of the RF dated 18.01.2005).

E217	Sodium propyl p-hydroxybenzoate (SODIUM PROPYL p-HYDROXYBENZOATE)	preservative
E218	Methylparaben (METHYL p-HYDROXYBENZOATE)	preservative
E219	Sodium methyl p-hydroxybenzoate (SODIUM METHYL p-HYDROXYBENZOATE)	preservative
E220	Sulphur dioxide (SULPHUR DIOXIDE)	preservative, antioxidant

E221	Sodium sulphite (SODIUM SULPHITE)	preservative, antioxidant
E222	Sodium bisulphite (SODIUM HYDROGEN SULPHITE)	preservative, antioxidant
E223	Sodium metabisulphite (SODIUM METABISULPHITE)	preservative, antioxidant, bleaching agent
E224	Potassium metabisulphite (POTASSIUM METABISULPHIT)	preservative, antioxidant
E225	Potassium sulphite (POTASSIUM SULPHITE)	preservative, antioxidant
E226	Calcium sulphite (CALCIUM SULPHITE)	preservative, antioxidant
E227	Calcium hydrogen sulphite (CALCIUM HYDROGEN SULPHITE)	preservative, antioxidant
E228	Potassium hydrogen (bisulphite)sulphite (POTASSIUM BISULPHITE)	preservative, antioxidant
E230	Diphenyl (DIPHENYL)	preservative
E231	orto-phenylphenol (ORTO-PHENYLPHENOL)	preservative
E232	Sodium o-phenylphenol (SODIUM O-PHENYLPHENOL)	preservative
E234	Nisin (NISIN)	preservative
E235	Pimaricin, Natamycin (PIMARICIN, NATAMYCIN)	preservative
E236	Formic acid (FORMIC ACID)	preservative
E237	Sodium formate (SODIUM FORMATE)	preservative
E238	Calcium formate (CALCIUM FORMATE)	preservative
E239	Hexamine (HEXAMETHYLENE TETRAMINE)	preservative
E241	Gum guaicum (GUM GUAICUM)	preservative
E242	Dimethyl dicarbonate (DIMETHYL DICARBONATE)	preservative
E249	Potassium nitrite (POTASSIUM NITRITE)	preservative, colour retention agent
E250	Sodium nitrite (SODIUM NITRITE)	preservative, colour retention agent
E251	Sodium nitrate (SODIUM NITRATE)	preservative, colour retention agent
E252	Potassium nitrate (POTASSIUM NITRATE)	preservative, colour retention agent
E260	Acetic acid glacial (ACETIC ACID GLACIAL)	preservative, acidity regulator

E261	Potassium acetates (POTASSIUM ACETATES) (i) Potassium acetate (POTASSIUM ACETATE) (ii) Potassium diacetate (Potassium diacetate)	preservative, acidity regulator
E262	Sodium acetates (SODIUM ACETATES) (i) Sodium acetate (Sodium acetate) (ii) Sodium diacetate (Sodium diacetate)	preservative, acidity regulator
E263	Calcium acetate (CALCIUM ACETATES)	preservative, stabilizer, acidity regulator
E264	Ammonium acetate (AMMONIUM ACETATE)	acidity regulator
E265	Dehydroacetic acid (DEHYDROACETIC ACID)	preservative
E266	Sodium dehydroacetate (SODIUM DEHYDROACETATE)	
E270	Lactic acid, L-, D и DL- (LACTIC ACID, L-, D- and DL-)	acidity regulator
E280	Propionic acid (PROPIONIC ACID)	preservative
E281	Sodium propionate (SODIUM PROPIONATE)	preservative
E282	Calcium propionate (CALCIUM PROPIONATE)	preservative
E283	Potassium propionate (POTASSIUM PROPIONATE)	preservative
E290	Carbon dioxide (CARBON DIOXIDE)	drinks saturating gas
E296	Malic acid (MALIC ACID, DL-)	acidity regulator
E297	Fumaric acid (FUMARIC ACID)	acidity regulator
E300	Ascorbic acid, L- (ASCORBIC ASID, L-)	antioxidant
E301	Sodium ascorbate (SODIUM ASCORBATE)	antioxidant
E302	Calcium ascorbate (CALCIUM ASCORBATE)	antioxidant
E303	Potassium ascorbate (POTASSIUM ASCORBATE)	antioxidant
E304	Ascorbyl palmitate (ASCORBYL PALMITATE)	antioxidant

E305	Ascorbyl stearate (ASCORBYL STEARATE)	antioxidant
E306	Mixed tocopherols concentrate (MIXED TOCOPHEROLS CONCENTRATE)	antioxidant
E307	Alpha tocopherol (ALPHA - TOCOPHEROL)	antioxidant
E308	Synthetic gamma-tocopherol (SYNTHETIC GAMMA - TOCOPHEROL)	antioxidant
E309	Synthetic delta-tocopherol (SYNTHETIC DELTA - TOCOPHEROL)	antioxidant
E310	Propyl gallate (PROPYL GALLATE)	antioxidant
E311	Octyl gallate (OCTYL GALLATE)	antioxidant
E312	Dodecyl gallate (DODECYL GALLATE)	antioxidant
E314	Guaiac resin (GUAIAIC RESIN)	antioxidant
E315	Isoascorbic (erythorbic) acid (ISOASCORBIC ACID, ERYTHORBIC ACID)	antioxidant
E316	Sodium isoascorbate (SODIUM ISOASCORBATE)	antioxidant
E317	Potassium isoascorbate (POTASSIUM ISOASCORBATE)	antioxidant
E318	Calcium isoascorbate (CALCIUM ISOASCORBATE)	antioxidant
E319	tertiary Butylhydroquinone (TERTIARY BUTYLHYDROQUINONE)	antioxidant
E320	Butylated hydroxyanisole (BUTYLATED HYDROXYANISOLE)	antioxidant
E321	Butylated hydroxytoluene, Ionol (BUTYLATED HYDROXYTOLUENE)	antioxidant
E322	Lecithins, phosphatides (LECITHINS)	antioxidant, emulsifier
E323	Anoxomer (ANOXOMER)	antioxidant
E325	Sodium lactate (SODIUM LACTATE)	antioxidant synergist, humectant, filling agent
E326	Potassium lactate (POTASSIUM LACTATE)	antioxidant synergist, acidity regulator
E327	Calcium lactate (CALCIUM LACTATE)	acidity regulator, flour and bread improving agent
E328	Ammonium lactate (AMMONIUM LACTATE)	acidity regulator, flour and bread improving agent

E329	Magnesium lactate, DL- (MAGNESIUM LACTATE, DL-)	acidity regulator, flour and bread improving agent
E330	Citric acid (CITRIC ACID)	acidity regulator, antioxidant, sequestrant
E331	Sodium citrates (SODIUM CITRATES) (i) Disodium monohydrogen citrate (Disodium monohydrogen citrate) (ii) Sodium dihydrogen citrate (Sodium dihydrogen citrate) (iii) Trisodium citrate (Trisodium citrate)	acidity regulator, emulsifier, stabilizer, sequestrant
E332	Potassium citrates (POTASSIUM CITRATES) (i) Potassium dihydrogen citrate (Potassium dihydrogen citrate) (ii) Tripotassium citrate (Tripotassium citrate)	acidity regulator, stabiliz er, sequestrant
E333	Calcium citrates (CALCIUM CITRATES)	acidity regulator, firming agent, sequestrant
E334	Tartaric acid, L(+)- (TARTARIC ACID, L(+)-)	acidity regulator, antioxidant synergist, sequestrant
E335	Sodium tartrates (SODIUM TARTRATES) (i) Monosodium tartrate (Monosodium tartrate) (ii) Disodium tartrate (Disodium tartrate)	stabilizer, sequestrant
E336	Potassium tartrates (POTASSIUM TARTRATES) (i) Monopotassium tartrate (Monopotassium tartrate) (ii) Dipotassium tartrate (Dipotassium tartrate)	stabilizer, sequestrant
E337	Potassium sodium tartrate (POTASSIUM SODIUM TARTRATE)	stabilizer, sequestrant
E338	Orthophosphoric acid (ORTHOPHOSPHORIC ACID)	acidity regulator, antioxidant synergist
E339	Sodium phosphates (SODIUM PHOSPHATES) (i) monosodium orthophosphate (Monosodium orthophosphate) (ii) disodium orthophosphate (Disodium orthophosphate) (iii) trisodium orthophosphate (Trisodium orthophosphate)	acidity regulator, emulsifier, texturator, humectant, stabilizer, sequestrant



E340	Potassium phosphates (POTASSIUM PHOSPHATES) (i) monopotassium orthophosphate (Monopotassium orthophosphate) (ii) dipotassium orthophosphate (Dipotassium orthophosphate) (iii) tripotassium orthophosphate (Tripotassium orthophosphate)	acidity regulator, emulsifier, humectant, stabilizer, sequestrant
E341	Calcium phosphates (CALCIUM PHOSPHATES) (i) monocalcium orthophosphate (Monocalcium orthophosphate) (ii) dicalcium orthophosphate (Dicalcium orthophosphate) (iii) tricalcium orthophosphate (Tricalcium orthophosphate)	acidity regulator, flour and bread improving agent, stabilizer, firming agent, texturator, leavening agent, anti-caking and anti-clumping additive humectant
E342	Ammonium phosphates (AMMONIUM PHOSPHATES) (i) monoammonium orthophosphate (Monoammonium orthophosphate) (ii) diammonium orthophosphate (Diammonium orthophosphate)	acidity regulator, flour and bread improving agent
E343	Magnesium phosphates (MAGNESIUM PHOSPHATES) (i) monomagnesium orthophosphate (Monomagnesium orthophosphate) (ii) dimagnesium orthophosphate (Dimagnesium orthophosphate) (iii) trimagnesium orthophosphate (Trimagnesium orthophosphate)	acidity regulator, anti-caking and anti-clumping additive
E345	Magnesium citrate (MAGNESIUM CITRATE)	acidity regulator
E349	Ammonium malate (AMMONIUM MALATE)	acidity regulator
E350	Sodium malates (SODIUM MALATES) (i) Sodium hydrogen malate (Sodium hydrogen malate) (ii) Sodium malate (Sodium malate)	acidity regulator, humectant
E351	Potassium malates (POTASSIUM MALATES) (i) Potassium hydrogen malate (Sodium hydrogen malate) (ii) Potassium malate (POTASSIUM MALATE)	acidity regulator

E352	Calcium malates (CALCIUM MALATES) (i) Calcium hydrogen malate (Calcium hydrogen malate) (ii) Calcium malate (Calcium malate)	acidity regulator
E353	Metatartaric acid (METATARTARIC ACID)	acidity regulator
E354	Calcium tartrate (CALCIUM TARTRATE)	acidity regulator
E355	Adipic acid (ADIPIC ACID)	acidity regulator
E356	Sodium adipates (SODIUM ADIPATES)	acidity regulator
E357	Potassium adipates (POTASSIUM ADIPATES)	acidity regulator
E359	Ammonium adipates (AMMONIUM ADIPATES)	acidity regulator
E363	Succinic acid (SUCCINIC ACID)	acidity regulator
E365	Sodium fumarates (SODIUM FUMARATES)	acidity regulator
E366	Potassium fumarates (POTASSIUM FUMARATES)	acidity regulator
E367	Calcium fumarates (CALCIUM FUMARATES)	acidity regulator
E368	Ammonium fumarates (AMMONIUM FUMARATES)	acidity regulator
E375	Nicotinic acid (NICOTINIC ACID)	colour stabilizer
E380	Ammonium citrates (AMMONIUM CITRATES)	acidity regulator
E381	Ferric ammonium citrates (FERRIC AMMONIUM CITRATES)	acidity regulator
E383	Calcium glycerophosphate (CALCIUM GLYCEROPHOSPHATE)	thickening stabilizer
E384	Isopropyl citrates (ISOPROPYL CITRATES)	anti-caking anti-clumping additive
E385	Calcium disodium ethylene diamine-tetraacetate (CALCIUM DISODIUM ETHYLENE DIAMINE-TETRA-ACETATE)	antioxidant, preservative, sequestrant
E386	Disodium ethylene diamine-tetraacetate (DISODIUM ETHYLENE DIAMINE-TETRA-ACETATE)	antioxidant synergist, preservative, sequestrant

E387	Oxystearin (OXYSTEARIN)	antioxidant, sequestrant
E391	Phytic acid (PHYTIC ACID)	antioxidant
E400	Alginic acid (ALGINIC ACID)	thickening agent, stabilizer
E401	Sodium alginate (SODIUM ALGINATE)	thickening agent, stabilizer
E402	Potassium alginate (POTASSIUM ALGINATE)	thickening agent, stabilizer
E403	Ammonium alginate (AMMONIUM ALGINATE)	thickening agent, stabilizer
E404	Calcium alginate (CALCIUM ALGINATE)	thickening agent, stabilizer, anti-foaming agent
E405	Propylene glycol alginate (PROPYLENE GLYCOL ALGINATE)	thickening agent, emulsifier
E406	Agar (AGAR)	thickening agent, gelling agent, stabilizer
E407	Carrageenan and its Na, K, NH <sub>4</sub> salts (includes furcellaran) (CARRAGEENAN AND ITS Na, K, NH <sub>4</sub> SALTS (INCLUDES FURCELLARAN))	thickening agent, gelling agents, stabilizer
E407a	Carrageenan pes - processed euchema seaweed (CARRAGEENAN PES- PROCESSED EUCHEMA SEAWEED)	thickening agent, gelling agents, stabilizer
E409	Arabinogalactan (ARABINOGALACTAN)	thickening agent, gelling agents, stabilizer
E410	Carob bean gum (CAROB BEAN GUM)	thickening agent, stabilizer
E411	Oat gum (OAT GUM)	thickening agent, stabilizer
E412	Guar gum (GUAR GUM)	thickening agent, stabilizer
E413	Tragacanth gum (TRAGACANTH GUM)	thickening agent, stabilizer, emulsifier
E414	Gum arabic (GUM ARABIC (ACACIA GUM))	thickening agent, stabilizer
E415	Xantan gum (XANTAN GUM)	thickening agent, stabilizer
E416	Karaya gum (KARAYA GUM)	thickening agent, stabilizer
E417	Tara gum (TARA GUM)	thickening agent, stabilizer

E418	Gellan gum (GELLAN GUM)	thickening agent, stabilizer, gelling agent
E419	Gum ghatti (GUM GHATTI)	thickening agent, stabilizer, gelling agent
E420	Sorbitol and sorbitol syrup (SORBITOL AND SORBITOL SYRUP)	sweetener, humectant, sequestrant, texturator, emulsifier
E421	Mannitol (MANNITOL)	sweetener, anti-caking and anti-clumping additive
E422	Glycerol (GLYCEROL)	humectant,  thickening agent
E425	Konjac (Konjac flour) (KONJAC (KONJAC FLOUR)) (i) Konjac gum (KONJAC GUM) (II) Konjac glucomannane (KONJAC GLUCOMANNANE)	thickening agent
(introduced by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)		
E430	Polyoxyethylene (8) stearate (POLYOXYETHYLENE (8) STEARATE)	emulsifier
E431	Polyoxyethylene (40) stearate (POLYOXYETHYLENE (40) STEARATE)	emulsifier
E432	Polyoxyethylene (20) sorbitan monolaurate, Tween 20 (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE)	emulsifier
E433	Polyoxyethylene (20) sorbitan monooleate, Tween 80 (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE)	emulsifier
E434	Polyoxyethylene (20) sorbitan monopalmitate, Tween 40 (POLYOXYETHYLENE (20) SORBITAN MONOPALMITATE)	emulsifier
E435	Polyoxyethylene (20) sorbitan monostearate, Tween 60 (POLYOXYETHYLENE (20) SORBITAN MONOSTEARATE)	emulsifier
E436	Polyoxyethylene (20) sorbitan tristearate (POLYOXYETHYLENE (20) SORBITAN TRISTEARATE)	emulsifier

E440	Pectins (PECTINS)	thickening agent, stabilizer, gelling agent
E442	Ammonium salts of phosphatidic acid (AMMONIUM SALTS OF PHOSPHATIDIC ACID)	emulsifier
E444	Sucrose acetate isobutirate (SUCROSE ACETATE ISOBUTIRAT)	emulsifier, stabilizer
E445	Glycerol esters of wood resin (GLYCEROL ESTERS OF WOOD RESIN)	emulsifier, stabilizer
E446	Succistearin (SUCCISTEARIN)	emulsifier
E450	Diphosphates (DIPHOSPHATES) (i) Disodium diphosphate (Disodium diphosphate) (ii) Trisodium diphosphate (Trisodium diphosphate) (iii) Tetrasodium diphosphate (Tetrasodium diphosphate) (iv) Dipotassium diphosphate (Dipotassium diphosphate) (v) Tetrapotassium diphosphate (Tetrapotassium diphosphate) (vi) Dicalcium diphosphate (Dicalcium diphosphate) (vii) Calcium dihydrogen diphosphate (Calcium dihydrogen diphosphate) (viii) Dimagnesium diphosphate (Dimagnesium diphosphate)	emulsifier, stabilizer, acidity regulator, leavening agent, sequestrant, humectant
E451	Triphosphates (TRIPHOSPHATES) (i) Pentasodium triphosphate (Pentasodium triphosphate) (ii) Pentapotassium triphosphate (Pentapotassium triphosphate)	sequestrant, acidity regulator, texturator
E452	Polyphosphates (POLYPHOSPHATES) (i) Sodium polyphosphate (Sodium polyphosphate) (ii) Potassium polyphosphate (Potassium polyphosphate) (iii) Sodium calcium polyphosphate (Sodium calcium polyphosphate) (iv) Calcium polyphosphates (Calcium polyphosphates) (v) Ammonium polyphosphates (Ammonium polyphosphates)	emulsifier, stabilizer, sequestrant, texturator, humectant
E459	beta - Cyclodextrin (BETA - CYCLODEXTRIN)	stabilizer, binder
E460	Cellulose (CELLULOSE) (i) Microcrystalline cellulose (Microcrystalline cellulose) (ii) Powdered cellulose (Powdered cellulose)	emulsifier, anti-caking and anti-clumping additive  texturator
E461	Methyl cellulose (METHYL CELLULOSE)	thickening agent, emulsifier, stabilizer

E462	Ethyl cellulose (ETHYL CELLULOSE)	filling agent, binder
E463	Hydroxypropyl cellulose (HYDROXYPROPYL CELLULOSE)	thickening agent, emulsifier, stabilizer
E464	Hydroxypropyl methyl cellulose (HYDROXYPROPYL METHYL CELLULOSE)	thickening agent, emulsifier, stabilizer
E465	Methyl ethyl cellulose (METHYL ETHYL CELLULOSE)	thickening agent, emulsifier, stabilizer, foaming agent
E466	Sodium carboxymethyl cellulose (SODIUM CARBOXYMETHYL CELLULOSE)	thickening agent, stabilizer
E467	Ethyl hydroxyethyl cellulose (ETHYL HYDROXYETHYL CELLULOSE)	emulsifier, thickening agent, stabilizer
E468	Croscarmellose (CROSCARAMELLOSE)	stabilizer, binder
E469	Enzymically hydrolysed carboxymethylcellulose	thickening agent, stabilizer
E470	Salts of fatty acids, Al, Ca, Na, Mg, K and NH <sub>4</sub> salts (SALTS OF FATTY ACIDS (with base Al, Ca, Na, Mg, K and NH <sub>4</sub> ))	emulsifier, stabilizer, anti-caking and anti-clumping additive,
E471	Mono- and diglycerides of fatty acids (MONO- AND DIGLYCERIDES OF FATTY ACIDS)	emulsifier, stabilizer
E472a	Acetic and fatty acid esters of glycerol (ACETIC AND FATTY ACID ESTERS OF GLYCEROL)	emulsifier, stabilizer, sequestrant
E472b	Lactic and fatty acid esters of glycerol (LACTIC AND FATTY ACID ESTERS OF GLYCEROL)	emulsifier, stabilizer, sequestrant
E472c	Citric and fatty acid esters of glycerol (CITRIC AND FATTY ACID ESTERS OF GLYCEROL)	emulsifier, stabilizer, sequestrant
E472d	Tartaric acid esters of mono- and diglycerides of fatty acids (TARTARIC ACID ESTERS OF MONO- AND DIGLYCERIDES OF FATTY ACIDS)	emulsifier, stabilizer, sequestrant
E472e	Diacetyltartaric and fatty acid esters of glycerol (DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL)	emulsifier, stabilizer, sequestrant

E472f	Mixed tartaric, acetic and fatty acid esters of glycerol (MIXED TARTARIC, ACETIC AND FATTY ACID ESTERS OF GLYCEROL)	emulsifier, stabilizer, sequestrant
E472g	Succinylated monoglycerides (SUCCINYLATED MONOGLYCERIDES)	emulsifier, stabilizer, sequestrant
E473	Sucrose esters of fatty acids (SUCROSE ESTERS OF FATTY ACIDS)	emulsifier
E474	Sucroglycerides (SUCROGLYCERIDES)	emulsifier
E475	Polyglycerol esters of fatty acids (POLYGLYCEROL ESTERS OF FATTY ACIDS)	emulsifier
E476	Polyglycerol esters of interesterified ricinoleic acid (POLYGLYCEROL ESTERS OF INTERESTERIFIED RICINOLEIC ACID)	emulsifier
E477	Propylene glycol esters of fatty acids (PROPYLENE GLYCOL ESTERS OF FATTY ACIDS)	emulsifier
E478	Lactylated fatty acid esters of glycerol and propylene glycol (LACTYLATED FATTY ACID ESTERS OF GLYCEROL AND PROPYLENE GLYCOL)	emulsifier
E479	Thermally oxidized soya bean oil with mono- and di-glycerides of fatty acids (THERMALLY OXIDIZED SOYA BEAN OIL WITH MONO- AND DI-GLYCERIDES OF FATTY ACIDS)	emulsifier
E480	Diocetyl sodium sulphosuccinate (DIOCTYL SODIUM SULPHOSUCCINATE)	emulsifier, wetting agent
E481	Sodium lactylates (SODIUM LACTYLATES) (i) Sodium stearoyl lactylate (SODIUM STEAROYL LACTYLATE) (ii) Sodium oleyl lactylate (SODIUM OLEYL LACTYLATE)	emulsifier, stabilizer
E482	Calcium lactylates (CALCIUM LACTYLATES)	emulsifier, stabilizer
E483	Stearyl tartrate (STEARYL TARTRATE)	flour and bread improving agent
E484	Stearyl citrate (STEARYL CITRATE)	emulsifier, sequestrant
E491	Sorbitan monostearate, SPAN 60 (SORBITAN MONOSTEARATE)	emulsifier
E492	Sorbitan tristearate (SORBITAN TRISTEARATE)	emulsifier
E493	Sorbitan monolaurate, SPAN 20 (SORBITAN MONOLAURATE)	emulsifier
E494	Sorbitan monooleate, SPAN 80 (SORBITAN MONOOLEATE)	emulsifier

E495	Sorbitan monopalmitate, SPAN 40 (SORBITAN MONOPALMITATE)	emulsifier
E496	Sorbitan trioleat, SPAN 85 (SORBITAN TRIOLEAT)	stabilizer, emulsifier
E500	Sodium carbonates (SODIUM CARBONATES) (i) Sodium carbonate (Sodium carbonate) (ii) Sodium hydrogen carbonate (Sodium hydrogen carbonate) (iii) Sodium sesquicarbonate (Sodium sesquicarbonate)	acidity regulator, leavening agent, anti-caking and anti-clumping additive
E501	Potassium carbonates (POTASSIUM CARBONATES) (i) Potassium carbonate (Potassium carbonate) (ii) Potassium hydrogen carbonate (Potassium hydrogen carbonate)	acidity regulator, stabilizer
E503	Ammonium carbonates (AMMONIUM CARBONATES) (i) Ammonium carbonate (Ammonium carbonate) (ii) Ammonium hydrogen carbonate (Ammonium hydrogen carbonate)	acidity regulator, leavening agent
E504	Magnesium carbonates (MAGNESIUM CARBONATES) (i) Magnesium carbonate (Magnesium carbonate) (ii) Magnesium hydrogen carbonate (Magnesium hydrogen carbonate)	acidity regulator, anti-caking and anti-clumping additive, colour stabilizer
E505	Ferrous carbonate (FERROUS CARBONATE)	acidity regulator
E507	Hydrochloric acid (HYDROCHLORIC ACID)	acidity regulator
E508	Potassium chloride (POTASSIUM CHLORIDE)	gelling agent
E509	Calcium chloride (CALCIUM CHLORIDE)	firming agent
E510	Ammonium chloride (AMMONIUM CHLORIDE)	flour and bread improving agent
E511	Magnesium chloride (MAGNESIUM CHLORIDE)	firming agent
E513	Sulphuric acid (SULPHURIC ACID)	acidity regulator
E514	Sodium sulphates (SODIUM SULPHATES)	acidity regulator
E515	Potassium sulphates (POTASSIUM SULPHATES)	acidity regulator
E516	Calcium sulphate (CALCIUM SULPHATES)	flour and bread improving agent, sequestrant, firming agent



E517	Ammonium sulphates (AMMONIUM SULPHATE)	flour and improving agent, stabilizer
E518	Magnesium sulphates (MAGNESIUM SULPHATES)	firming agent
E519	Cupric sulphate (CUPRIC SULPHATE)	colour retention agent, preservative
E520	Aluminium sulphate (ALUMINIUM SULPHATE)	firming agent
E521	Aluminium sodium sulphate, sodium alum (ALUMINIUM SODIUM SULPHATE)	firming agent
E522	Aluminium potassium sulphate, potassium alum (ALUMINIUM POTASSIUM SULPHATE)	acidity regulator, stabilizer
E523	Aluminium ammonium sulphate, ammonium alum (ALUMINIUM AMMONIUM SULPHATE)	stabilizer, firming agent
E524	Sodium hydroxide (SODIUM HYDROXIDE)	acidity regulator
E525	Potassium hydroxide (POTASSIUM HYDROXIDE)	acidity regulator
E526	Calcium hydroxide (CALCIUM HYDROXIDE)	acidity regulator, firming agent
E527	Ammonium hydroxide (AMMONIUM HYDROXIDE)	acidity regulator
E528	Magnesium hydroxide (MAGNESIUM HYDROXIDE)	acidity regulator, colour stabilizer
E529	Calcium oxide (CALCIUM OXIDE)	acidity regulator, flour and bread improving agent
E530	Magnesium oxide (MAGNESIUM OXIDE)	anti-caking and anti-clumping additive
E535	Sodium ferrocyanide (SODIUM FERROCYANIDE)	anti-caking and anti-clumping additive
E536	Potassium ferrocyanide (POTASSIUM FERROCYANIDE)	anti-caking and anti-clumping additive

E538	Calcium ferrocyanide (CALCIUM FERROCYANIDE)	anti-caking and anti-clumping additive
E539	Sodium thiosulphate (SODIUM THIOSULPHATE)	antioxidant, sequestrant
E541	Sodium aluminium phosphate (SODIUM ALUMINIUM PHOSPHATE) (i) Acidis (ACIDIS) (ii) Basic 8 (BASIC)	acidity regulator, emulsifier
E542	Bone phosphate (Calcium phosphate) (BONE PHOSPHATE (essentiale Calcium phosphate, tribasic))	emulsifier, anti-caking and anti-clumping additive, humectant
E550	Sodium silicates (SODIUM SILICATES) (i) Sodium silicate (Sodium silicate) (ii) Sodium metasilicate (Sodium metasilicate)	anti-caking and anti-clumping additive
E551	Silicon dioxide amorphous (SILICON DIOXIDE AMORPHOUS)	anti-caking and anti-clumping additive
E552	Calcium silicate (CALCIUM SILICATE)	anti-caking and anti-clumping additive
E553	Magnesium silicates (MAGNESIUM SILICATES) (i) Magnesium silicate (Magnesium silicate) (ii) Magnesium trisilicate (Magnesium trisilicate) (iii) Talc (Talc)	anti-caking and anti-clumping additive, powder - carrier
E554	Sodium aluminosilicate (SODIUM ALUMINOSILICATE)	anti-caking and anti-clumping additive
E555	Potassium aluminium silicate (POTASSIUM ALUMINIUM SILICATE)	anti-caking and anti-clumping additive
E556	Calcium aluminium silicate (CALCIUM ALUMINIUM SILICATE)	anti-caking and anti-clumping additive
E558	Bentonite (BENTONITE)	anti-caking and anti-clumping additive

E559	Aluminium silicate (ALUMINIUM SILICATE)	anti-caking and anti-clumping additive
E560	Potassium silicate (POTASSIUM SILICATE)	anti-caking and anti-clumping additive
E570	Fatty acids (FATTY ACIDS)	foam stabilizer, glazing agent, anti-foaming agent
E574	Gluconic acid (D-) (GLUCONIC ACID (D-))	acidity regulator, leavening agent
E575	Glucono delta-lactone (GLUCONO DELTA - LACTONE)	acidity regulator, leavening agent
E576	Sodium gluconate (SODIUM GLUCONATE)	sequestrant
E577	Potassium gluconate (POTASSIUM GLUCONATE)	sequestrant
E578	Calcium gluconate (CALCIUM GLUCONATE)	acidity regulator, firming agent
E579	Ferrous gluconate (FERROUS GLUCONATE)	colour stabilizer
E580	Magnesium gluconate	acidity regulator, firming agent
E585	Ferrous lactate (FERROUS LACTATE)	colour stabilizer
E620	Glutamic acid, L(+)- (GLUTAMIC ACID, L(+)-)	flavour enhancer
E621	Monosodium glutamate (MONOSODIUM GLUTAMATE)	flavour enhancer
E622	Monopotassium glutamate (MONOPOTASSIUM GLUTAMATE)	flavour enhancers
E623	Calcium glutamate (CALCIUM GLUTAMATE)	flavour enhancer
E624	Monoammonium glutamate (MONOAMMONIUM GLUTAMATE)	flavour enhancer
E625	Magnesium glutamate (MAGNESIUM GLUTAMATE)	flavour enhancer
E626	Guanylic acid (GUANYLIC ACID)	flavour enhancer

E627	Disodium 5'-guanylate (DISODIUM 5'-GUANYLATE)	flavour enhancer
E628	Dipotassium 5'-guanylate (DIPOTASSIUM 5'-GUANYLATE)	flavour enhancer
E629	Calcium 5'-guanylate (CALCIUM 5'-GUANYLATE)	flavour enhancer
E630	Inosinic acid (INOSINIC ACID)	flavour enhancer
E631	Disodium 5'-inosinate (DISODIUM 5'-INOSINATE)	flavour enhancer
E632	Potassium inosinate (POTASSIUM INOSINATE)	flavour enhancer
E633	Calcium 5'-inosinate (CALCIUM 5'-INOSINATE)	flavour enhancer
E634	Calcium 5'-ribonucleotides (CALCIUM 5'-RIBONUCLEOTIDES)	flavour enhancer
E635	Disodium 5'-ribonucleotides (DISODIUM 5'-RIBONUCLEOTIDES)	flavour enhancer
E636	Maltol (MALTOL)	flavour enhancer
E637	Ethyl maltol (ETHYL MALTOL)	flavour enhancer
E640	Glyvane (GLYCINE)	flavour modifier
E641	L-leucine (L-LEUCINE)	flavour modifier
E642	Lysin hydrochlorid (LYSIN HYDROCHLORID)	flavour enhancer
E900	Polydimethylsiloxane (POLYDIMETHYLSILOXANE)	anti-foaming agent, emulsifier, anti-caking and anti-clumping additive
E901	Beeswax, white and yellow (BEESWAX, WHITE AND YELLOW)	glazing agent, release agent
E902	Candelilla wax (CANDELILLA WAX)	glazing agent
E903	Carnauba wax (CARNAUBA WAX)	glazing agent
E904	Shellac (SHELLAC)	glazing agent
E905a	Mineral oil, food grade (MINERAL OIL, FOOD GRADE)	glazing agent, release agent, encapsulant
E905b	Petrolatum (petroleum jelly) (PETROLATUM (PETROLEUM JELLY))	glazing agent, release agent, encapsulant

E905c	Petroleum wax (PETROLEUM WAX) (i) Microcrystalline wax (MICROCRYSTALLINE WAX)  (ii) Paraffin wax (PARAFFIN WAX)	glazing agent, release agent, encapsulant glazing agent glazing agent
E906	Benzoin gum (BENZOIN GUM)	glazing agent
E908	Rice bran wax (RICE BRAN WAX)	glazing agent
E909	Spermaceti wax (SPERMACETI WAX)	glazing agent
E910	Wax esters (WAX ESTERS)	glazing agent
E911	Methyl esters of fatty acids (METHYL ESTERS OF FATTY ACIDS)	glazing agent
E913	Lanolin (LANOLIN)	glazing agent
E920	Cysteine, L- and its hydrochlorides - sodium and potassium salts (CYSTEINE, L- AND ITS HYDROCHLORIDES - SODIUM AND POTASSIUM SALTS)	flour and bread improving agent
E921	Cystine, L- and its hydrochlorides - sodium and potassium salts (CYSTEINE, L- AND ITS HYDROCHLORIDES - SODIUM AND POTASSIUM SALTS)	flour and bread improving agent
E927a	Azodicarbonamide (AZODICARBONAMIDE)	flour and bread improving agent
E927b	Carbamide (urea) (CARBAMIDE (UREA))	texturator
E928	Benzoyl peroxide (BENZOYL PEROXIDE)	flour and bread improving agent, preservative
E930	Calcium peroxide (CALCIUM PEROXIDE)	flour and bread improving agent
E938	Argon (ARGON)	propellant, packaging gas
E939	Helium (HELLIUM)	propellant, packaging gas
E940	Dichlorodifluoromethane (freon -12) (DICHLORODIFLUOROMETHANE)	propellant, cooling agent
E941	Nitrogen (NITROGEN)	gas environment used for packaging and storage, cooling agent
E942	Nitrous oxide (NITROUS OXIDE)	propellant, packaging gas
E943a	Butane (BUTANE)	propellant
E943b	Isobutane (ISOBUTANE)	propellant

E944	Propane (PROPANE)	propellant
E945	Chloropentafluoroethane (CHLOROPENTAFLUOROETHANE)	propellant
E946	Octafluorocyclobutane (OCTAFLUOROCYCLOBUTANE)	propellant
E948	Oxygen (OXYGEN)	propellant, packaging gas
E950	Acesulfame potassium (ACESULFAME POTASSIUM)	sweetener
E951	Aspartame (ASPARTAME)	sweetener, flavour enhancer
E952	Cyclamic acid and Na, K, Ca salts (CYCLAMIC ACID and Na, K, Ca salts)	sweetener
E953	Isomalt, somaltitol, (ISOMALT, SOMALTITOL)	sweetener, anti- caking and anti- clumping additive, filling agent, glazing agent
E954	Saccharin (Na, K, Ca salts) (SACCHARIN and Na, K, Ca salts)	sweetener
E955	Sucralose (trichlorogalactosucrose) (SUCRALOSE (TRICHLOROGALACTOSUCROSE))	sweetener
E957	Thaumatococin (THAUMATOCOCIN)	sweetener, flavour enhancer
E958	Glycyrrhizin (GLYCYRRHIZIN)	sweetener, flavour enhancer
E959	Neohesperidine dihydrochalcone (NEOHESPERIDINE DIHYDROCHALCONE)	sweetener
E960	Stevioside (STEVIOSIDE)  (introduced by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)	sweetener
E962	Twinsweet (TWINSWEEP)  (introduced by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)	sweetener
E965	Maltitol and maltitol syrup (MALTITOL AND MALTITOL SYRUP)	sweetener, stabilizer, emulsifier
E966	Lactitol (LACTITOL)	sweetener, texturizer

E967	Xylitol (XYLITOL)	sweetener, humectant, stabilizer, emulsifier
E999	Quillaia extract (QUILLAIA EXTRACTS)	foaming agent
E1000	Cholic acid (CHOLIC ACID)	emulsifier
E1001	Choline, salts and esters (CHOLINE SALTS AND ESTERS)	emulsifier
E1100	Amylases (AMYLASES)	flour and bread improving agent
E1101	Proteases (PROTEASES) (i) Protease (PROTEASE) (ii) Papain (Papain) (iii) Bromelain (Bromelain) (iv) Ficin (Ficin)	flour and bread improving agent stabilizer, ripening agent for meat and fish, flavour enhancer
E1102	Glucose oxidase (GLUCOSE OXIDASE)	antioxidant
E1103	Invertases (INVERTASES)	stabilizer
E1104	Lipases (LIPASES)	flavour enhancer
E1105	Lysozyme (LYSOZYME)	preservative
E1200	Polydextroses A and N (POLYDEXTROSES A AND N)	filling agent, stabilizer, thickening agent, humectant, texturator
E1201	Polyvinylpyrrolidone (POLYVINYLPIRROLIDONE)	thickening agent, stabilizer, clearer, dispersant
E1202	Polyvinylpolypyrrolidone (POLYVINYLPOLYPYRROLIDONE)	colour stabilizer, colloidal stabilizer
E1400	Dexterins, roasted starch white and yellow (DEXTRINS, ROASTED STARCH WHITE AND YELLOW)	stabilizer, thickening agent, binder
E1401	Acid-treated starch (ACID-TREATED STARCH)	stabilizer, thickening agent, binder
E1402	Alkaline treated starch (ALKALINE TREATED STARCH)	stabilizer, thickening agent, binder

E1403	Bleached starch (BLEACHED STARCH)	stabilizer, thickening agent, binder
E1404	Oxidized starch (OXIDIZED STARCH)	emulsifier, thickening agent, binder
E1405	Starches enzyme-treated (STARCHES ENZYME-TREATED)	thickening agent
E1410	Monostarch phosphate (MONOSTARCH PHOSPHATE)	stabilizer, thickening agent, binder
E1411	Distarch glycerol, cross-linked (DSTARH GLICEROL)	stabilizer, thickening agent
E1412	Distarch phosphate esterified with sodium trimetaphosphate; esterified with phosphorus oxychloride (DSTARARCH PHOSPHATE ESTERIFIED WITH SODIUM TRIMETASPHOSPHATE; ESTERIFIED WITH PHOSPHORUS OXYCHLORIDE)	stabilizer, thickening agent, binder
E1413	Phosphated distarch phodphate, cross- linked (PHOSPHATED DISTARCH PHOSPHATE)	stabilizer, thickening agent, binder
E1414	Acetylated distarch phosphate, cross- linked (ACETYLATED DISTARCH PHOSPHATE)	emulsifier, thickening agent
E1420	Starch acetate esterified with acetic anhydride (STARCH ACETATE ESTERIFIED WITH ACETIC ANHYDRIDE)	stabilizer, thickening agent
E1421	Starch acetate esterified with vinyl acetate (STARCH ACETATE ESTERIFIED WITH VINYL ACETATE)	stabilizer, thickening agent
E1422	Acetylated distarch adipate (ACETYLATED DISTARCH ADIPATE)	stabilizer, thickening agent, binder
E1423	Acetylated distarch glycerol (ACETYLATED DISTARCH GLYCEROL)	stabilizer, thickening agent, binder
E1440	Hydroxypropyl starch (HYDROXYPROPYL STARCH)	emulsifier, thickening agent, binder
E1442	Hydroxypropyl distarch phosphate, cross- linked (HYDROXYPROPYL DISTARCH PHOSPHATE)	stabilizer, thickening agent
E1443	Hydroxypropyl distarch glycerol (HYDROXYPROPYL DISTARCH GLYCEROL)	stabilizer, thickening agent
E1450	Starch sodium octenyl succinate (STARCH SODIUM OCTENYL SUCCINATE)	stabilizer, thickening agent, binder, emulsifier



E1451	Acetylated oxydised starch (ACETILATED OXYDISED STARCH)	emulsifier, thickening agent
E1503	Castor oil (CASTOR OIL)	release agent
E1505	Tiethyl citrate (TRIETHYL CITRATE)	foaming agent
E1518	Triacetin (TRIACETIN)	humectant
E1520	Propylene glycol (PROPYLENE GLYCOL)	humectant, softening agent and dispersant
E1521	Polyethylene glycol (POLYETHYLENE GLYCOL)	anti-foaming agent
-	allyl isothiocyanate	preservative
-	N-Lauroyl Glutamic acid	preservative, flour, bread improving agent
-	N-lauroyl asparaginic acid	preservative, flour, bread improving agent
-	N-Lauroyl Glycerol	preservative, flour, bread improving agent
-	Vanillin	flavour substance
-	Dihydroquercetin	antioxidant
-	Imbricin	preservative
-	Quercetin	antioxidant
-	Caramel No.1 (Red)	colouring agent
-	Caramel No.2 (Red)	colouring agent
-	Caramel No.3 (Red)	colouring agent
-	Red rice (RED RICE)	colouring agent
-	Soapwort decoction (Acantophyllum sp.), dencity 1.05	stabilizer
-	Oxyethyl succinate-21	emulsifier
-	Polyvinyl alcohol	humectant
-	Hydrogen Peroxide	preservative
-	Polyoxyethylene	clearer
-	Ethoxyquin	preservative
-	Stevia (Stevia rebaudiana Bertoni),	

powder from leaves and syrup thereof  
(as amended by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)

-	Sodium, potassium and calcium succinates	acidity - regulators
-	Ultramarine	colouring agent
-	Potassium formate (POTASSIUM FORMATE)	preservative
-	Chitosan, chitosonium hydrochloride	filling agent, thickening agent, stabilizer
-	Ferrous chloride	flour and bread improving agent
-	Erythritol (ERYTHRITOL)	sweetener (introduced by Amendments and Additions No. 2, approved by Resolution No. 41 of Chief State Sanitary Inspector of the RF dated 15.04.2003)
-	Juglone	preservative