

**CPC****COOPERATIVE PATENT CLASSIFICATION****A23V****INDEXING SCHEME RELATING TO FOODS, FOODSTUFFS OR NON-ALCOHOLIC BEVERAGES****NOTE**

This subclass constitutes an internal scheme for indexing only.

**A23V 2002/00****Food compositions, function of food ingredients or processes for food or foodstuffs****NOTE**

1. Indexing codes of main groups [A23V 2200/00](#), [A23V 2250/00](#) and [A23V 2300/00](#) are used in combination with the base symbol [A23V 2002/00](#) to indicate the composition, function of ingredients or processes.
2. The indexing codes of this group are used in combination with the ingredients compositions codes

**A23V 2200/00****Function of food ingredients (not used; see subgroups)****NOTE**

The indexing codes under this group are used in combination with the codes for ingredients compositions

- |                               |  |
|-------------------------------|--|
| <a href="#">A23V 2200/02</a>  | . Antioxidant                                  |
| <a href="#">A23V 2200/03</a>  | . Antigenicity                                 |
| <a href="#">A23V 2200/04</a>  | . Colour                                       |
| <a href="#">A23V 2200/042</a> | .. Browning                                    |
| <a href="#">A23V 2200/044</a> | .. Colouring                                   |
| <a href="#">A23V 2200/046</a> | .. Discolouring, bleaching                     |
| <a href="#">A23V 2200/048</a> | .. Preventing colour changes                   |
| <a href="#">A23V 2200/06</a>  | . pH modification agent                        |
| <a href="#">A23V 2200/08</a>  | . Food product presented as a kit of parts     |
| <a href="#">A23V 2200/09</a>  | . Food product presented as a toy or amusement |
| <a href="#">A23V 2200/10</a>  | . Preserving against microbes                  |
| <a href="#">A23V 2200/12</a>  | . Replacer                                     |
| <a href="#">A23V 2200/122</a> | .. Egg replacer                                |
| <a href="#">A23V 2200/124</a> | .. Fat replacer                                |
| <a href="#">A23V 2200/126</a> | .. Flour replacer                              |
| <a href="#">A23V 2200/128</a> | .. Gelatin replacer                            |
| <a href="#">A23V 2200/13</a>  | .. Protein replacer                            |

A23V 2200/132	.. Sugar replacer
A23V 2200/14	. Mouthfeel improving agent
A23V 2200/15	. Flavour affecting agent
A23V 2200/16	. Taste affecting agent
A23V 2200/18	. Water activity affecting agent
A23V 2200/20	. Ingredients acting on or related to the structure
A23V 2200/202	.. Agglomerating agent
A23V 2200/204	.. Anti-foaming agent
A23V 2200/206	.. Anti-freezing agent
A23V 2200/208	.. Anticaking agent
A23V 2200/209	.. Barrier agent , e.g. layer
A23V 2200/21	.. Binding agent
A23V 2200/212	.. Buffering agent
A23V 2200/214	.. Chelating agent
A23V 2200/216	.. Clouding agent
A23V 2200/218	.. Coagulant
A23V 2200/22	.. Coating agent
A23V 2200/221	.. Cooling agent
A23V 2200/222	.. Emulsifier
A23V 2200/224	.. Encapsulating agent
A23V 2200/226	.. Foaming agent
A23V 2200/228	.. Gelling agent
A23V 2200/23	.. Humectant
A23V 2200/232	.. Melting agents
A23V 2200/234	.. Raising agent
A23V 2200/236	.. Solidifying agent
A23V 2200/238	.. Solubility improving agent
A23V 2200/24	.. Tenderizing
A23V 2200/242	.. Thickening agent
A23V 2200/244	.. Viscosity modification agent
A23V 2200/246	.. Whipping agent
A23V 2200/25	.. Nanoparticles, nano structures
A23V 2200/254	.. Particle size distribution
A23V 2200/26	. Food,ingredients or supplements targeted to meet non-medical requirements, e.g. environmental, religious
A23V 2200/262	.. All vegetarian ingredients, i.e. meat-free
A23V 2200/264	.. All vegan ingredients, i.e. all animal product free
A23V 2200/266	.. All religious conform ingredients
A23V 2200/27	.. Low carbon footprint ingredients
A23V 2200/30	. Foods, ingredients or supplements having a functional effect on health

A23V 2200/302	..	having a modulating effect on age
A23V 2200/304	..	having a modulation effect on allergy and risk of allergy
A23V 2200/306	..	having an effect on bone mass, e.g. osteoporosis prevention
A23V 2200/308	..	having an effect on cancer prevention
A23V 2200/31	..	having an effect on comfort perception and well-being
A23V 2200/312	..	having an effect on dental health
A23V 2200/314	..	having an effect on lung or respiratory system
A23V 2200/316	..	having an effect on regeneration or building of ligaments or muscles
A23V 2200/318	..	having an effect on skin health and hair or coat
A23V 2200/32	..	having an effect on the health of the digestive tract
A23V 2200/3202	...	Prebiotics, ingredients fermented in the gastrointestinal tract by beneficial microflora
A23V 2200/3204	...	Probiotics, living bacteria to be ingested for action in the digestive tract
A23V 2200/322	..	having an effect on the health of the nervous system or on mental function
A23V 2200/324	..	having an effect on the immune system
A23V 2200/326	..	having effect on cardiovascular health
A23V 2200/3262	..	having an effect on blood cholesterol
A23V 2200/328	..	having effect on glycaemic control and diabetes
A23V 2200/33	..	High-energy foods and drinks, sports drinks
A23V 2200/332	..	Promoters of weight control and weight loss
A23V 2200/3322	...	Low carb - reduced carbohydrate content
A23V 2200/3324	...	Low fat - reduced fat content
A23V 2200/334	..	treating the effects of consuming alcohol, narcotics or other addictive behavior, e.g. treating hangover or reducing blood alcohol levels

**A23V 2250/00**      **Food ingredients** (not used; see subgroups)

A23V 2250/02	.	Acid
A23V 2250/022	..	Acetic acid
A23V 2250/026	..	Alpha lipoic acid, thioctic acid
A23V 2250/028	..	Chlorogenic acid
A23V 2250/03	..	Cholic acid
A23V 2250/032	..	Citric acid
A23V 2250/034	..	Formic acid
A23V 2250/036	..	Fumaric acid
A23V 2250/038	..	Gamma-amino butyric acid
A23V 2250/04	..	Gluconic acid
A23V 2250/042	..	Lactic acid
A23V 2250/044	..	Malic acid
A23V 2250/046	..	Phosphoric acid
A23V 2250/05	..	Propionic acid
A23V 2250/052	..	Pyruvic acid

A23V 2250/054	..	Sorbic acid
A23V 2250/056	..	Tartaric acid
A23V 2250/06	..	Amino acid
A23V 2250/0602	...	5-Hydroxytryptophan
A23V 2250/0604	...	Alanine
A23V 2250/0606	...	Arginine
A23V 2250/0608	...	Asparagine
A23V 2250/061	...	Aspartic acid
A23V 2250/0612	...	Carnitine
A23V 2250/0614	...	Citrulline
A23V 2250/0616	...	Cysteine
A23V 2250/0618	...	Glutamic acid
A23V 2250/062	...	Glutamine
A23V 2250/0622	...	Glycine
A23V 2250/0624	...	Histidine
A23V 2250/0626	...	Isoleucine
A23V 2250/0628	...	Leucine
A23V 2250/063	...	Lysine
A23V 2250/0632	...	Methionine
A23V 2250/0634	...	N-Acetyl-Cysteine
A23V 2250/0636	...	Ornithine
A23V 2250/0638	...	Phenylalanine
A23V 2250/064	...	Proline
A23V 2250/0642	...	Serine
A23V 2250/0644	...	Taurine
A23V 2250/0646	...	Theanine
A23V 2250/0648	...	Threonine
A23V 2250/065	...	Tryptophan
A23V 2250/0652	...	Tyrosin
A23V 2250/0654	...	Valine
A23V 2250/08	.	Alcohol
A23V 2250/082	..	Ethanol
A23V 2250/084	..	Methanol
A23V 2250/086	..	Propanol
A23V 2250/10	.	Gas
A23V 2250/101	..	Air
A23V 2250/106	..	Ammonia
A23V 2250/108	..	Butane
A23V 2250/11	..	Carbon dioxide
A23V 2250/112	..	Carbon monoxide

A23V 2250/114	..	Ethane
A23V 2250/116	..	Ethylene
A23V 2250/118	..	Helium
A23V 2250/12	..	Hydrogen
A23V 2250/122	..	Methane
A23V 2250/124	..	Nitrogen
A23V 2250/126	..	Oxygen
A23V 2250/128	..	Ozone
A23V 2250/13	..	Propane
A23V 2250/132	..	Sulphur dioxide
A23V 2250/134	..	Supercritical gas
A23V 2250/15	.	Inorganic Compounds
A23V 2250/152	..	Hydrogen peroxide
A23V 2250/154	..	Water
A23V 2250/156	..	Mineral combination ( <a href="#">undefined extract A23V 2250/1638</a> )
A23V 2250/1562	...	Silver
A23V 2250/1564	...	Aluminium
A23V 2250/1566	...	Arsenic
A23V 2250/1568	...	Gold
A23V 2250/157	...	Beryllium
A23V 2250/1572	...	Bore
A23V 2250/1574	...	Brome
A23V 2250/1576	...	Carbon
A23V 2250/1578	...	Calcium
A23V 2250/158	...	Cadmium
A23V 2250/1582	...	Chlorine
A23V 2250/1584	...	Cobalt
A23V 2250/1586	...	Chromium
A23V 2250/1588	...	Copper
A23V 2250/159	...	Fluor
A23V 2250/1592	...	Iron
A23V 2250/1594	...	Francium
A23V 2250/1596	...	Gallium
A23V 2250/1598	...	Iodine
A23V 2250/16	...	Potassium
A23V 2250/1602	...	Lanthanides
A23V 2250/1604	...	Lithium
A23V 2250/1608	...	Molybdenum
A23V 2250/161	...	Magnesium
A23V 2250/1612	...	Manganese

A23V 2250/1614	...	Sodium
A23V 2250/1616	...	Nickel
A23V 2250/1618	...	Phosphorus
A23V 2250/162	...	Palladium
A23V 2250/1622	...	Platinum
A23V 2250/1624	...	Sulphur
A23V 2250/1626	...	Selenium
A23V 2250/1628	...	Silicium
A23V 2250/163	...	Tin
A23V 2250/1632	...	Strontium
A23V 2250/1634	...	Titanium
A23V 2250/1636	...	Vanadium
A23V 2250/1638	...	Undefined mineral extract
A23V 2250/164	...	Yttrium
A23V 2250/1642	...	Zinc
A23V 2250/1644	...	Milk minerals
A23V 2250/18	.	Lipids
A23V 2250/182	..	Diglycerides
A23V 2250/184	..	Emulsifier ( <a href="#">emulsifier as function A23V 2200/222</a> ; not used, see subgroups)
A23V 2250/1842	...	Lecithin
A23V 2250/1844	...	Phosphatidic Acid
A23V 2250/1846	...	Phosphatidyl Choline
A23V 2250/1848	...	Phosphatidyl Ethanolamine
A23V 2250/185	...	Phosphatidyl Inositol
A23V 2250/1852	...	Phosphatidyl Serine
A23V 2250/186	..	Fatty acids
A23V 2250/1862	...	Arachidonic acid
A23V 2250/1864	...	Behenic acid
A23V 2250/1866	...	Conjugated Linoleic acid
A23V 2250/1868	...	Docosahexaenoic acid
A23V 2250/187	...	Eicosapentaenoic acid
A23V 2250/1872	...	Linoleic acid
A23V 2250/1874	...	Linolenic acid
A23V 2250/1876	...	Long-chain fatty acids
A23V 2250/1878	...	Medium-chain fatty acids
A23V 2250/188	...	Oleic acid
A23V 2250/1882	...	Polyunsaturated fatty acids
A23V 2250/1884	...	Short-chain fatty acids
A23V 2250/1886	...	Stearic acid
A23V 2250/19	..	Genetically modified oil

A23V 2250/192	..	Monoglycerides
A23V 2250/194	..	Triglycerides
A23V 2250/1942	...	Long-chain triglycerides
A23V 2250/1944	...	Medium-chain triglycerides
A23V 2250/1946	...	Short-chain triglycerides
A23V 2250/20	.	Natural extracts
A23V 2250/202	..	Algae extracts
A23V 2250/204	..	Animal extracts
A23V 2250/2042	...	Marine animal, fish extracts ( <a href="#">algae A23V 2250/202</a> )
A23V 2250/2044	...	Egg yolk
A23V 2250/206	..	Bacterial extracts
A23V 2250/208	..	Fungi extracts
A23V 2250/21	..	Plant extracts
A23V 2250/2102	...	Aloe
A23V 2250/2104	...	Anthocyanins
A23V 2250/2106	...	Bilberries, blueberries
A23V 2250/2108	...	Caffeine, coffee extract
A23V 2250/211	...	Carotene, carotenoids
A23V 2250/2112	...	Curcumin, turmeric
A23V 2250/2114	...	Echinacea
A23V 2250/2116	...	Flavonoids, isoflavones
A23V 2250/21162	....	Citrus flavonoids
A23V 2250/21164	....	Hesperidin
A23V 2250/21166	....	Proanthocyanidins, grape seed extracts
A23V 2250/21168	....	Quercetin
A23V 2250/2117	....	Rutin
A23V 2250/21172	....	Soy Isoflavones, daidzein, genistein
A23V 2250/2118	...	Garcinia cambogia, hydroxycitric acid
A23V 2250/212	...	Garlic
A23V 2250/2122	...	Ginkgo Biloba
A23V 2250/2124	...	Ginseng
A23V 2250/2126	...	Guarana
A23V 2250/2128	...	Kava
A23V 2250/213	...	Lycopene
A23V 2250/2131	...	Olive
A23V 2250/2132	...	Other phenolic compounds, polyphenols
A23V 2250/2134	...	Phytic acid, phytate, IP-6 (ACID)
A23V 2250/2136	...	Phytosterols, phytosterols
A23V 2250/21362	....	Campestanol
A23V 2250/21364	....	Campesterol

A23V 2250/21366	....	Phytostanol
A23V 2250/21368	....	Phytosterols
A23V 2250/2137	....	Sitostanol
A23V 2250/21372	....	Sitosterol
A23V 2250/21374	....	Stigmastanol
A23V 2250/21376	....	Stigmasterol
A23V 2250/2138	...	St Johns Wort
A23V 2250/214	...	Tea
A23V 2250/218	..	Yeast extracts ( <a href="#">yeast A23V 2250/76</a> )
A23V 2250/24	.	Non-sugar sweeteners
A23V 2250/242	..	Acesulfame K, acetylsulfame
A23V 2250/244	..	Alitame
A23V 2250/246	..	Cyclamate
A23V 2250/248	..	Di-Peptides sweeteners
A23V 2250/2482	...	Aspartam
A23V 2250/2484	...	Neotame
A23V 2250/25	..	Dihydrochalcone
A23V 2250/252	..	Glycyrrhizin
A23V 2250/254	..	Luo Han Guo
A23V 2250/256	..	Monellin
A23V 2250/258	..	Rebaudioside
A23V 2250/26	..	Saccharin
A23V 2250/262	..	Stevioside
A23V 2250/264	..	Sucralose, halogenated sugar
A23V 2250/266	..	Thaumatococin, talin
A23V 2250/28	.	Oligosaccharides
A23V 2250/282	..	Oligosaccharides, digestible
A23V 2250/284	..	Oligosaccharides, non digestible
A23V 2250/30	.	Other Organic compounds
A23V 2250/302	..	Betaine, trimethylglycine
A23V 2250/304	..	Choline
A23V 2250/306	..	Creatine
A23V 2250/308	..	Glucosamine
A23V 2250/31	..	Glutathione
A23V 2250/312	..	S-adenosyl methionine
A23V 2250/314	..	Ubiquinone, coenzyme Qn
A23V 2250/50	.	Polysaccharides, gums
A23V 2250/502	..	Gums
A23V 2250/5022	...	Acacia
A23V 2250/5024	...	Agar



A23V 2250/5026	...	Alginate
A23V 2250/5028	...	Arabic
A23V 2250/503	...	Arabinogalactan
A23V 2250/5032	...	Bassorine
A23V 2250/5034	...	Beta-Glucan
A23V 2250/5036	...	Carrageenan
A23V 2250/50362	....	Iota-carrageenan
A23V 2250/50364	....	Kappa-carrageenan
A23V 2250/50366	....	Lambda-carrageenan
A23V 2250/5038	...	Cassia
A23V 2250/504	...	Curdlan
A23V 2250/5042	...	Dextran
A23V 2250/5044	...	Flax seed
A23V 2250/5046	...	Fructan
A23V 2250/5048	...	Furcellaran, estagar
A23V 2250/505	...	Galactomannan
A23V 2250/5054	...	Gellan
A23V 2250/5056	...	Ghatti, indian gum
A23V 2250/5058	...	Glucommannan
A23V 2250/506	...	Guar
A23V 2250/5062	...	Inulin
A23V 2250/5064	...	Karaya
A23V 2250/5066	...	Konjak
A23V 2250/5068	...	Levan
A23V 2250/507	...	Locust bean, carob
A23V 2250/5072	...	Pectine, pectinate
A23V 2250/50722	....	High methoxy pectine
A23V 2250/50724	....	Low methoxy pectine
A23V 2250/5074	...	Psyllium
A23V 2250/5076	...	Pullulane
A23V 2250/508	...	Tamarind
A23V 2250/5082	...	Tara
A23V 2250/5084	...	Tragacanth
A23V 2250/5086	...	Xanthan
A23V 2250/51	..	Polysaccharide
A23V 2250/5102	...	Amylopectin
A23V 2250/5104	...	Amylose
A23V 2250/5106	...	Bran
A23V 2250/5108	...	Cellulose
A23V 2250/51082	....	Carboxymethyl cellulose

A23V 2250/51084	....	Crystalline, micro-crystalline cellulose
A23V 2250/51086	....	Hydroxyalkyl cellulose
A23V 2250/51088	....	Other cellulose derivatives
A23V 2250/511	...	Chitin, chitosan
A23V 2250/5112	...	Cyclodextrin
A23V 2250/5114	...	Dextrins, maltodextrins
A23V 2250/5116	...	Other non-digestible fibres
A23V 2250/5118	...	Starch
A23V 2250/54	.	Proteins
A23V 2250/542	..	Animal Protein
A23V 2250/5422	...	Collagen
A23V 2250/5424	...	Dairy protein
A23V 2250/54242	....	Alpha lactalbumin
A23V 2250/54244	....	Beta lactoglobulin
A23V 2250/54246	....	Casein
A23V 2250/54248	....	Lactoferrin
A23V 2250/5425	....	Lactoperoxidase
A23V 2250/54252	....	Whey protein
A23V 2250/5428	...	Egg protein
A23V 2250/543	...	Fish protein
A23V 2250/5432	...	Gelatine
A23V 2250/5434	...	Immunoglobulines
A23V 2250/5436	...	Serum albumin [SAB]
A23V 2250/5438	...	Sialic acid, glycomacroprotein
A23V 2250/546	..	Microbial protein
A23V 2250/548	..	Vegetable protein
A23V 2250/5482	...	Cereal protein
A23V 2250/5484	...	Oat protein
A23V 2250/5486	...	Wheat protein, gluten
A23V 2250/5488	...	Soybean protein
A23V 2250/55	..	Peptide, protein hydrolysate
A23V 2250/60	.	Sugars, e.g. mono-, di-, tri-, tetra-saccharides
A23V 2250/602	..	Arabinose
A23V 2250/604	..	Cellobiose
A23V 2250/606	..	Fructose
A23V 2250/608	..	Galactose
A23V 2250/61	..	Glucose, Dextrose
A23V 2250/612	..	Lactose
A23V 2250/614	..	Lactulose
A23V 2250/616	..	Maltose

A23V 2250/618	..	Mannose
A23V 2250/62	..	Palatinose, isomaltulose
A23V 2250/622	..	Raffinose
A23V 2250/624	..	Rhamnose
A23V 2250/626	..	Ribose
A23V 2250/628	..	Saccharose, sucrose
A23V 2250/63	..	Sorbose
A23V 2250/632	..	Stachyose
A23V 2250/634	..	Tagatose
A23V 2250/636	..	Trehalose
A23V 2250/638	..	Xylose
A23V 2250/64	..	Sugar alcohols
A23V 2250/6402	...	Erythritol
A23V 2250/6404	...	Galactitol
A23V 2250/6406	...	Glycerol
A23V 2250/6408	...	Hydrogenated starch hydrolysate
A23V 2250/641	...	Inositol
A23V 2250/6412	...	Isomaltitol, palatinit
A23V 2250/6414	...	Lactitol
A23V 2250/6416	...	Maltitol
A23V 2250/6418	...	Mannitol
A23V 2250/642	...	Sorbitol
A23V 2250/6422	...	Xylitol
A23V 2250/70	.	Vitamins
A23V 2250/702	..	Vitamin A
A23V 2250/704	..	Vitamin B
A23V 2250/7042	...	Vitamin B1
A23V 2250/7044	...	Vitamin B2
A23V 2250/7046	...	Vitamin B3 niacin
A23V 2250/7048	...	Vitamin B4
A23V 2250/705	...	Vitamin B5 pantothenic acid
A23V 2250/7052	...	Vitamin B6
A23V 2250/7054	...	Vitamin B7
A23V 2250/7056	...	Vitamin B8 Folic acid
A23V 2250/7058	...	Vitamin B9
A23V 2250/706	...	Vitamin B12
A23V 2250/708	..	Vitamin C
A23V 2250/71	..	Vitamin D
A23V 2250/7102	...	Vitamin D1
A23V 2250/7104	...	Vitamin D2

A23V 2250/7106	...	Vitamin D3
A23V 2250/712	..	Vitamin E
A23V 2250/714	..	Vitamin K
A23V 2250/7142	...	Vitamin K1
A23V 2250/7144	...	Vitamin K2
A23V 2250/7146	...	Vitamin K3
A23V 2250/716	..	Vitamin M
A23V 2250/718	..	Vitamin PP
A23V 2250/72	..	Biotin
A23V 2250/76	.	Yeasts
A23V 2250/762	..	Saccharomyces

**A23V 2300/00**      **Processes** (not used; see subgroups)

A23V 2300/02	.	Adsorption
A23V 2300/04	.	Aeration
A23V 2300/06	.	Deamidation e.g. deamidation of protein
A23V 2300/08	.	Denaturation , e.g. denaturation of protein
A23V 2300/10	.	Drying, dehydrating
A23V 2300/12	.	Electrical treatment , e.g. electrolysis, electrical field treatment, with or without heating effect

**NOTE**

To be combined with [A23V 2300/24](#) in case of heating effect

A23V 2300/14	.	Extraction
A23V 2300/16	.	Extrusion
A23V 2300/18	.	Fractionation
A23V 2300/20	.	Freezing
A23V 2300/21	.	Genetic modification
A23V 2300/24	.	Heat, thermal treatment
A23V 2300/26	.	Homogenisation
A23V 2300/28	.	Hydrolysis, degree of hydrolysis
A23V 2300/30	.	Ion-exchange
A23V 2300/31	.	Mechanical treatment
A23V 2300/34	.	Membrane process
A23V 2300/36	.	Modification in general
A23V 2300/38	.	Multiple-step
A23V 2300/40	.	Precipitation
A23V 2300/41	.	Shearing
A23V 2300/44	.	Supercritical state
A23V 2300/46	.	Ultra high pressure

A23V 2300/48

- Ultrasonic treatment

A23V 2300/50

- Concentrating, enriching or enhancing in functional factors