• **Amino acids** (lysine, threonine, methionine, triptophan, valine, arginine and others) and vitamins (groups A, B2, D3, E, B4 and others);

• **Active ingredients for plant protection** (chloroform chloride, imidacloprid, diquat and others);

• **Packaging materials for agricultural products** (corrugated cardboard, polyethylene, film, polymer and PET packaging and others);

• **Fruit and vegetable concentrates** (for the production of juice and other fruit and vegetable products, including baby food);

• **Food additives and flavorings** (acidity regulators, colorants, stabilizers, sweeteners and others) and technological aids;

• **Eggs SPF (**for the production of vaccines).

**Amino Acids and Vitamins**

**Lysine**

**Demand**: 120-130 thousand tons per year equivalent to lysine monohydrochloride.

**Imports:** according to the latest data of Rosselkhoznadzor, as of March 1, 2022, 21.4 thousand tons were imported, which is 2 times more than in the same period in 2021 *(11.0 thousand tons)*.Key suppliers: China (91%), Brazil (6%), Indonesia (3%).

**Methionine**

**Demand**: 60 thousand tons per year

**Imports:** according to the latest data of Rosselkhoznadzor, as of March 1, 2022, 6.6 thousand tons were imported, which is by 10% more than in the same period in 2021 *(6.0 thousand tons)*.Key suppliers: Belgium (61.3%), Singapore (12.2%), Japan (11.3%), China (7%).

**Threonine**

**Demand:** 35-40 thousand tons

**Imports:** according to the latest data of Rosselkhoznadzor, as of March 1, 2022, 2.7 thousand tons were imported, which is by 49% less than in the same period in 2021 *(5.4 thousand tons)*.Key supplier: China (100%)

**Triptophane**

**Demand:** 4 thousand tons

**Imports:** according to the latest data of Rosselkhoznadzor, as of March 1, 2022, 849 tons were imported, which is 2.2 times more than in the same period in 2021 *(264 thousand tons)*.Key suppliers: China (64.1%), Indonesia (20.7%), Korea (15.2%).

**Valine**

**Demand:** 4 thousand tons

**Imports:** according to the latest data of Rosselkhoznadzor, as of March 1, 2022, 1.3 thousand tons were imported, which is 2 times more than in the same period in 2021 *(0.4 thousand tons)*.Key supplier: China (100.0%)

**Vitamin A**

**Demand**: 500 tons per year

**Imports:** according to the latest data of Rosselkhoznadzor, as of March 1, 2022, 99 tons were imported, which is by 87% more than in the same period in 2021 *(53 tons)*.Key suppliers: Germany (57.6%), Switzerland (30.3%), China (12%)

**Vitamin D3**

**Demand**: 300 tons per year

**Imports:** according to the latest data of Rosselkhoznadzor, as of March 1, 2022, 25 tons were imported, which is by 53% less than in the same period in 2021 *(53 tons)*.Key suppliers: France (60%), China (40%)

**Vitamin B2**

**Demand**: 264 tons per year

**Imports:** according to the latest data of the Rosselkhoznadzor, as of March 1, 2022, 76 tons were imported, which is by 40% more than in the same period in 2021 *(54 tons)*.Key suppliers: Germany (35.5%), China (35.5%), Korea (30%)

**Vitamin B12**

**Demand**: 105 tons per year

**Imports:** according to the latest data of the Rosselkhoznadzor, as of March 1, 2022, 24 tons were imported, which is by 34% more than in the same period in 2021 *(18 tons)*.Key supplier: China (100%)

**Vitamin B4 (choline chloride)**

**Demand**: 24.3 tons per year

**Imports:** according to the latest data of Rosselkhoznadzor, as of March 1, 2022, 5.1 thousand tons were imported, which is by 22% less than in the same period in 2021 *(6.5 thousand tons)*.Key suppliers: China (84%), Italy (14.1%)

**Vitamin Е**

**Demand**: 5.0 tons per year

**Imports:** according to the latest data of Rosselkhoznadzor, as of March 1, 2022, 1.1 thousand tons were imported, which is by 1.0% less than in the same period in 2021 *(1.1 thousand tons)*.Key suppliers: China (33.4%), Switzerland (32%), Germany (26.6%).

**Active substances for the plant protection products**

|  |  |  |
| --- | --- | --- |
| № | Name of active substances | Required volume,  2022-2023, tons |
| 1. | 2,4-dichlorophenoxyacetic acid ester | 5 000 |
| 2. | Phenmedipham | 300 |
| 3. | Desmedipham | 300 |
| 4. | Bentazone | 800 |
| 5. | Fenoxaprop-P-ethyl | 450 |
| 6. | Imazamox | 60 |
| 7. | Imazapyr | 40 |
| 8. | Florasulam | 140 |
| 9. | Nicosulfuron | 90 |
| 10. | Triflusulfuron-methyl | 80 |
| 11. | Tebuconazole | 2 000 |
| 12. | Epoxiconazole | 100 |
| 13. | Diquat | 4 400 |
| 14. | Propiconazole | 2 200 |
| 15. | Metamitron | 530 |
| 16. | midacloprid | 1 600 |
| 17. | Clopyralid 96% | 160 |
| 18. | Ethofumesate | 120 |
| 19. | Glyphosate Acid 95% | 10 000 |
| 20. | Glyphosate IPA salt 62% | 18 000 |
| 21 | S-metolachlor | 2 300 |
| 22 | Сhlormequat chloride | 2 100 |
| 23 | Terbuthylazine | 1 000 |
| 24 | Azoxystrobin | 400 |
| 25 | Clethodim 37% | 630 |
| 26 | Propisochlor | 210 |
| 27 | Cloquintocet-Mex | 180 |
| 28 | Lambda-cyhalothrin | 210 |
| 29 | Mesotrione | 150 |
| 30 | Clodinafop-propargyl | 210 |
| 31 | Fomesafen | 150 |

**Package and packaging materials**

|  |  |  |
| --- | --- | --- |
| **Type of packaging** | **HS Code** | **Demand per year, tons** |
| Aluminum-polyethylene bags of different sizes in the range | 3923210000 | 2,559,000 pcs. |
| PET cans | 3923309090 3923301090 | 480,000 pcs. |
| Glass jars | 7010901009 | 1,600,000 pcs. |
| Big-bag, pcs. |  | 36 000 |
| Paper | 4810130009 | 140 tons |
| Paper and corrugated cardboard | 481 920 | 5 549 |
| Self-adhesive paper |  | 245 000 000 |
| Cylinders, bottles, vials and similar plastic products | 3923 30 | 100 000 |
| BUCKET, polyethylene, 5 L | 3923309090 3923900000 3923301090 | 1200 pcs. |
| Insert, tvc. Pcs. |  | 34 727 |
| Aeration gas, L |  | 686 |
| Corrugated cardboard | 4808100000 4819100000 4808100000 | 695 000 |
| Corrugated box with grilles | 4819100000 | 250,000 pcs. |
| Corrugated packaging, mln pcs. |  | 692 |
| Damper cushions, thousand pcs. |  | 22 753 |
| Dispensers | 8413200000 | 24,000,000 pcs. |
| Tin cans, thousand pcs. |  | 2 |
| Other plastic packaging products | 3923 40 3923 50 3923 90 | 18 694 |
| CANISTER 10L | 3923 30 | 36,0000 pcs. |
| CANISTER 5L | 3923 30 | 40,000 pcs. |
| Canister, polyethylene, 21.5 L | 3923 30 | 4000 pcs. |
| Cardboard | 4819 20 000 0 4810 92 | 178 200 |
| Glue | 3606910000 | 85 |
| Glue | 3506910000 | 3 320 |
| Clip/paper clip, mln pcs. |  | 936 |
| Combined packaging | 4819 20 000 0, 4819 50 000 0, 4810 92 300 0, 4819 20 000 0, 4804 39 510 0, 4804 59 100 0, 4804 39 510 0, 4804 59 100 0, 4810 92 300 0, 4811 51 000 9, 4811 51 000 9, 4811 51 000 9 | 510 000 |
| CONTAINER 11L. | 3923309090 3923900000 3923301090 | 7600 pcs. |
| CONTAINER 2L | 3923309090 3923900000 3923301090 | 4800 pcs. |
| PET Container | 3923100000 | 15 840 |
| Cardboard box with printing | 4819200000 | 1,740,000 pcs. |
| Compartmented insert, kg |  | 172 000 |
| Paints | 3215190000 |  |
| Craft packages, thousand pcs. |  | 166 |
| Cut of boxes, thousand pcs. |  | 50 755 |
| Cut of small containers, thousand pcs. |  | 61 601 |
| PP covers | 3923509000 | 480,000 pcs. |
| Metal covers | 8309909000 | 1,600,000 pcs. |
| Plastic covers | 3923501000 | 1,500 thousand pcs. (4.5 t) |
| Dating tape for production, m |  | 5 000 000 |
| Packing tape, mln pcs. |  | 226 |
| Lodgement |  | 1 960 |
| Foamed polystyrene tray |  | 5 600 |
| Pulper cardboard tray |  | 150 |
| Soft tray |  | 4 200 |
| Metal | 7310 21 110  8309909000 | 80 905 |
| Metal | 7612 90 800 1 | 39 096 |
| Paper bags, pcs. | 4819400000 | 6 200 000 |
| Double-layer bags + PE insert - , pcs . | 4819300001 | 2,400,000 (448 tons) |
| Polypropylene bags | 6305 33 100 1 | 13800 (120 mln pcs.) |
| NG tin packaging, thousand pcs. |  | 106 |
| NG cardboard packaging, thousand pcs. |  | 1 282 |
| Impersonal wrapping materials, kg |  | 293 429 |
| Shells, thousand pcs. |  | 325 |
| Shells/meshes, million pcs. |  | 6 |
| Polyethylene packages, thousand pcs. |  | 10 800 000 |
| Plastic | 3923 29 900 0 3907 61 000 0 3907 61 000 0 | 427 647 |
| Plastic (polymer materials) | 3923 21 000 0 3923 30 101 0 | 645 000 |
| Plastic bucket | 3923100000 | 4 800 000 |
| Plastic pumps for syrup bottles | 3923509000 | 80,000 pcs. (24 t) |
| BOPP film |  | 5 000 |
| Film for compartmented inserts, kg |  | 25 629 |
| Film for cellophane wrapping, m |  | 1 520 000 |
| Packing film, kg |  | 18 448 |
| LDPE film, kg |  | 12 000 |
| PVC film | 3918101000 | 440 |
| Polyester film based on polyethylene terephthalate | 3920621905 | 50 tons |
| Film/canvas, thousand tons |  | 30 |
| Weight, kg |  | 37 234 |
| Pallets, million pcs. |  | 13 |
| Preform (Polyethylene Terephthalate), pcs | 3907610000 | 668 000 000 |
| Stoppers in the range, million pcs. |  | 438 |
| Washing liquid, L | 3824999609 | 410 |
| Anti-slip sheets ("waxed" paper) | 4811590009 | 85,000 pcs. (8.5 t) |
| Solvent | 3814009000 | 50003 L |
| Solvent | 3215900000 | 1184 L |
| Ribbon for printer | 9612108000 | 320 rolls |
| Duct tape, thousand m. |  | 24 403 |
| PET glasses+lids | 3923509000 | 180 |
| Glass |  | 2 902 172 |
| sticker, thousand pcs. |  | 525 013 948 |
| Stretch film, pcs. |  | 2 000 |
| Strap tape |  | 700 |
| Shrink film |  | 105 |
| stencil, thousand pcs. |  | 29 146 |
| Angle bar |  | 4 800 |
| Packaging of polymer materials for food products: film | 3920102500 3920621905 | 110 |
| Foil, kg |  | 256 195 |
| Ink, L | 3215900000 | 12 596 |
| Showbox, thousand pcs. |  | 129 377 974 |
| Self-adhesive label | 48114190 39199000 | 1 800 |
| Labels | 4821101000 | 7,200,000 pcs. |
| Labels on flat paper, thousand pcs. |  | 1 400 000 |
| Labels on paper, laminated foil, film, composite materials, kg |  | 1 350 000 |
| Labels, thermal tags, million pcs. |  | 3 270 |
| Cases and boxes made of corrugated paper or corrugated cardboard | 4819 10 | 32 558 |

|  |  |
| --- | --- |
| **Food additives** | |
| **Flavors** | |
| **Name** | **Demand,**  **kg** |
|
| Vaniline | 369 599 |
| Ethylvaniline | 72 656 |
| Essential oils | 295 846 |
| Flavoring substances | 12 482 432 |
| Flavors (dry, liquid, paste-like) | 18 218 289 |
| Complex food additives-flavorings (CFA); | 207 540 |
| **Dyes** | |
| Concentrates, infusions | 14 958 734 |
| Vegetable and fruit extracts | 4 526 815 |
| Tea and coffee extracts | 57 612 538 |
| Complex dyes (complex food grade additive dye) | 1 435 109 |
| **E100** Curcumins |  |
| (i) Curcumin (E100i) | 11 115 |
| (ii) Turmeric (E100ii) | 1 232 491 |
| **E101** Riboflavins: |  |
| (i) Riboflavin (E100i) | 10 749 |
| (ii) Riboflavin 5-phosphate sodium (E100ii) | 1 608 |
| **E102** Tartrazine | 1 585 |
| **E104** Quinoline Yellow | 95 |
| **E110** Yellow "sunset" | 1 657 |
| **E120** Carmines | 260 213 |
| **E122** Azorubin, Carmoisine | 341 |
| **E124** Ponceau 4R, Crimson 4R | 38 641 |
| **E129** Red charming | 925 |
| **E131** Patent Blue V | 89 |
| **E132** Indigocarmine (INDIGOTINE) | 2 346 |
| **E133** Blue Shiny FCF, Diamond Blue FCF | 31 556 |
| **E140**Chlorophyll: |  |
| (i) Chlorophylls (E140i) | 106 |
| (ii) Chlorophyllins (E140ii) | 1 |
| **E141** Chlorophyll copper complexes (E141): |  |
| (i) Copper complexes of chlorophylls (E141i) | 376 |
| (ii) Copper complexes of chlorophyllins (E141ii) | 4 315 |
| **E142** Green S | 228 |
| **E143** Fast Green FCF | 0,03 |
| **E150a** Caramel I - Plain | 341 649 |
| **E150c** CARAMEL III - Ammonia process | 255 586 |
| **E150d** CARAMEL IV - Ammonia-sulphite process | 1 624 192 |
| Other caramel colour (E150 b, c, d) | 913 109 |
| **E153** Vegetable charcoal | 5 264 |
| **E160a** Carotenes: |  |
| (i) MIXED CAROTENES Vegetable carotenes and carotenes from algae (E160a (i)) | 17 646 |
| (ii) BETA-CAROTENE Beta-carotene (E160a (ii)) | 23 447 |
| E160a Other, indefinite | 80 |
| E160b Annato Extracts **(E160b (i), (ii), (iii))** | 75 840 |
| E160c Paprika Extract, Paprika Oleoresins, Capsanthin, Capsorubin | 46 733 |
| E160d Lycopene | 3 401 |
| E160e Beta-APO-Carotene Aldehyde (BETA-APO-CAROTENAL) (E160e) | 1 320 |
| E160f beta-Apo-8'-carotenoic acid methyl or ethyl esters | 1 960 |
| E161b Lutein | 57 159 |
| E162 Beet red | 78 803 |
| **E163** Anthocyanins: |  |
| (i) Anthocyanins (E163(i)) | 316 340 |
| (ii) Grape Skin Extract, Enocolor (E163(ii)) | 1 265 062 |
| (iii) Blackcurrant extract (E163 (iii)) | 2 024 |
| **E170** Calcium Carbonate | 2 723 249 |
| **E171** Titanium Dioxide | 2 611 321 |
| **E172** Iron oxides and hydroxides: |  |
| (ii) iron oxide (+3)-red (E172(ii) | 148 549 |
| (iii) iron oxide (+3)-yellow (E172(iii) | 9 888 |
| **E172** Other, indefinite | 954 577 |
| **E174** Silver | 500 |
| **E175** Gold | 59 |
| **E181** Tannins, food grade | 112 053 |
| Red rice | 409 481 |
| Ultramarine | 432 678 |
| (i) Beta-carotene synthetic, | 42 461 |
| (i) iron oxide (+2,+3)-black; | 60 640 |
| **E152** Coal | 50 |
| **Glaziers** | |
| **E901** Beeswax, white and yellow | 54 861 |
| **E902** Candelilla wax | 2 607 |
| **E903** Carnauba wax | 358 120 |
| **E904** Shellac | 233 910 |
| **E905a**Vaseline oil | 2 409 855 |
| **E905c** (i) Microcrystalline wax | 20 479 |
| **E905e** Mineral oil (medium and low viscosity, Class I) | 787 994 |
| **E907** Hydrogenated Poly-1-Decene | 1 699 273 |
| **E912** Esters of montanic (octacosanic) acid | 21 737 |
| **E914**Oxidized polyethylene wax | 198 963 |
| **E1203**Polyvinyl alcohol | 3 468 620 |
| **E1204** Pullulan | 1 669 |
| **E1503** Castor oil | 286 563 |
| **E1521** Polyethylene glycol | 545 116 |
| **E905b** Vaseline | 1 286 301 |
| **E905c** (ii) Paraffin wax | 1 486 581 |
| **Preservatives** | |
| **E200** Sorbic acid | 594199,0 |
| **E202** Potassium sorbate | 3066481,8 |
| **E210** Benzoic acid | 6125,0 |
| **E211**Sodium Benzoate | 2720272,1 |
| **E214** para-hydroxybenzoic acid ethyl ether (ETHYL p-HYDROXYBENZOATE) | 0,0 |
| **E215** para-hydroxybenzoic acid ethyl ether sodium salt (SODIUM ETHYL p-HYDROXYBENZOATE) | 125,0 |
| **E218** para-hydroxybenzoic acid methyl ester (METHYL p-HYDROXYBENZOATE) | 4988,8 |
| **E220** sulphur dioxide | 102950,0 |
| **E221** Sodium sulphite | 5,0 |
| **E222** Sodium hydrosulphite | 639950,0 |
| **E223** Sodium pyrosulphite | 2159153,0 |
| **E224** Potassium pyrosulphite | 322357,2 |
| **E225**Potassium sulphite | 2450,0 |
| **E228** Potassium hydrogen sulphite (bisulphite) | 1370,0 |
| **E231** Orto-phenylphenol | 100,0 |
| **E234** Nizine | 56487,6 |
| **E235** Pimaricin, Natamycin | 31943,2 |
| **E236** Formic acid | 48005,5 |
| **E242** Dimethyl dicarbonate | 20675,0 |
| **E250** Sodium nitrite | 13850,0 |
| **E252** Potassium nitrate | 1073412,0 |
| **E260** Acetic acid ice | 1183988,8 |
| **E261** Potassium acetate |  |
| (i) Potassium acetate, | 0,1 |
| (ii) Potassium diacetate |  |
| **E262**Sodium acetates |  |
| (i) Sodium acetate, | 3340582,4 |
| (ii) Sodium diacetate. | 820800,6 |
| **E263**Calcium Acetate | 411647,8 |
| **E265**Dehydroacetic acid |  |
| **E266** Sodium dehydroacetate | 2246,0 |
| **E280**Propionic acid | 908510,0 |
| **E281**Sodium propionate | 61600,0 |
| **E282**Calcium propionate | 1805890,0 |
| **Antioxidants** | |
| **E300**Ascorbic acid, L | 1 653 217 |
| **E301** Sodium ascorbate | 51 263 |
| **E302** Calcium ascorbate | 1 175 |
| **E304** (i)Ascorbyl palmitate | 13 974 |
| **E306**Mixed tocopherols concentrate | 25 086 |
| **E307** alpha-Tocopherol | 37 050 |
| **E315** Isoascorbic (erythorbic) acid | 11 000 |
| **E316** Sodium isoascorbate | 1 226 924 |
| **E319** Tertial butylhydroquinone | 5 160 |
| **E320** Butylated hydroxyanisole | 87 067 |
| **E321**Butylated hydroxytoluene, "Ionol" | 251 |
| **E322** Lecithins, phosphatides | 8 506 198 |
| **E385**Calcium-sodium ethylenediaminetetraacetate, calcium disodium EDTA | 37 500 |
| **E392** Rosemary extracts | 4 256 |
| Dihydroquercetin (without E code) or Taxifolin | 21 |
| **Stabilizers** | |
| **E400** Alginic acid | 13 724 |
| **E401** Sodium alginate | 1 542 710 |
| **E402** Potassium alginate | 661 |
| **E404** Calcium alginate | 1 751 |
| **E405** Propylene glycol alginate | 2 200 |
| **E406** Agar | 1 211 028 |
| **E407** Carrageenan and its sodium, potassium, ammonium salts, including furcellaran | 1 722 851 |
| **E407a** Carrageenan made of EUCHEMA algae | 2 526 162 |
| **E409** Arabinogalactan | 1 |
| **E410** Carob bean gum | 167 312 |
| **E412** Guar gum | 3 641 428 |
| **E413**Tragacanth gum | 225 |
| **E414** Gum arabic (acacia gum) | 1 660 453 |
| **E415** Xanthan gum | 2 559 749 |
| **E416** Karaya gum | 2 200 |
| **E417** Tara gum | 158 895 |
| **E418** Gellan gum | 48 691 |
| **E425** (i) Konjac gum | 446 490 |
| **E427** Cassia gum | 565 100 |
| **E440** Pectins | 4 430 599 |
| **E459** Beta-Cyclodextrin | 10 542 |
| **E460 Cellulose:** |  |
| E460(i) Microcrystalline cellulose, | 2 217 141 |
| E460(ii) Powdered cellulose. | 900 180 |
| **E461** Methyl cellulose | 82 809 |
| **E463** Hydroxypropyl cellulose | 54 664 |
| **E464** Hydroxypropyl methylcellulose | 627 716 |
| **E465**Methyl ethyl cellulose | 5 000 |
| **E466 Carboxymethyl cellulose** |  |
| Carboxymethyl cellulose | 2 325 020 |
| Sodium carboxymetyl cellulose | 1 573 327 |
| **E468** Croscaramellose (cross-linked sodium carboxymetyl cellulose) | 29 817 |
| **E570** Fatty acids | 5 822 512 |
| **E1200** Polydextroses orPolydextroses A and N | 318 850 |
| **E1201** Polyvinylpyrrolidone | 30 750 |
| **E1202** Polyvinylpolypyrrolidone | 235 072 |
| **E1400** Dextrins, roasted starch white and yellow | 252 600 |
| **E1401** Acid-treated starch | 842 553 |
| **E1403** Bleached starch | 21 664 |
| **E1404** Oxidized starch | 48 575 |
| **E1412** Dicrachmal phosphate esterified with trisodium metaphosphate; esterified with phosphorus chloroxide | 2 938 287 |
| **E1413** Phosphated dicrach malphosphate "crosslinked" (E1413) | 36 050 |
| **E1414**Acetylated starch phosphate "crosslinked" (E1414) | 2 953 028 |
| **E1420** Acetylated starch or starch acetate esterified with acetic anhydride | 6 253 800 |
| **E1422** Acetylated distarch adipate | 21 867 225 |
| **E1440** Hydroxypropyl starch | 552 400 |
| **E1442** Hydroxypropyl distarch phosphate "cross-linked" | 7 828 492 |
| **E1450**Starch ether and sodium salt of octenylantaric acid (starch sodium octenyl succinate) | 203 184 |
| **E1451** Acetylated oxidized starch | 38 000 |
| **E1452**Starch and aluminum salts of octenylantaric acid ether (starch aluminum octenyl succinate) |  |
| Licorice Root Extract (=licorice) | 160 588 |
| Soap Root extract (Prickly pear) | 296 698 |
| Chitosan, chitosonium hydrochloride | 32 425 |
| **Emulsifiers** | |
| **E432** Polyoxyethylene (20) sorbitan monolaurate, Twin 20 | 74 921 |
| **E433**Polyoxyethylene (20) sorbitan monooleate, Twin 80 | 80 119 |
| **E435**Polyoxyethylene (20) Sorbitan monostearate, Twin 60 | 92 515 |
| **E442** Phosphatidylic acid ammonium salts (ammonium phosphatides) | 4 270 |
| **E445**Glycerol esters of wood resin | 9 258 |
| E452(i) Sodium polyphosphate, | 987 668 |
| E452(ii) Potassium polyphosphate, | 12 000 |
| E452(v) Ammonium polyphosphates. | 142 000 |
| **E470** Fatty acids, salts of aluminum, calcium, sodium, magnesium, potassium and ammonium | 138 880 |
| **E471** Mono- and diglycerides of fatty acids | 7 256 062 |
| **E472a** Acetic and fatty acid esters of glycerol or Esters acetic and fatty acid of glycerol | 2 542 |
| **E472b** Lactic and fatty acid esters of glycerol or Lactic and fatty acid esters of glycerol | 59 588 |
| **E472c** Citric and fatty acid esters of glycerol or Citric and fatty acid esters of glycerol | 160 433 |
| **E472e** Diacetyltartaric and fatty acid esters of glycerol or Diacetyltartaric and fatty acid esters of glycerol | 627 547 |
| **E473** Sucrose esters of fatty acids | 4 010 |
| **E475** Polyglycerol esters of fatty acids | 301 643 |
| **E476** Polyglycerol esters of interesterified ricinoleic acid | 652 444 |
| **E477** Propylene glycol esters of fatty acids | 190 |
| **E481(i)** Sodium stearoyl-2-lactylate | 374 354 |
| **E482** Calcium stearoyl-2-lactylate | 2 |
| **E491** Sorbitan monostearate, SPAN 60 | 477 980 |
| **E492** Sorbitan tristearate | 1 065 163 |
| **E493** Sorbitan monolaurate, SPAN 20 | 0,4 |
| **E494** Sorbitan monooleate, SPAN 80 | 4 309 |
| **E900** Polydimethylsiloxane | 18 573 |
| *Polysorbates (60, 65, 80)* | 85 |
| **Acidity regulators** | |
| **E264**Ammonium acetate | 200 |
| **E270** Lactic acid, L-, D- and DL- | 3 931 237 |
| **E296** Malic acid, DL- | 1 538 883 |
| **E297** Fumaric acid | 1 050 495 |
| **E326** Potassium lactate | 129 202 |
| **E327**Calcium lactate | 457 583 |
| **E328** Ammonium lactate |  |
| **E329** Magnesium lactate, DL- | 139 175 |
| **E330** Citric acid | 47 397 761 |
| **E331** (i) Sodium citrate 1-substituted (Sodium dihydrogen citrate), | 1 271 965 |
| **E331** (iii) Sodium citrate 3-substituted (Trisodium citrate). | 5 980 468 |
| **E332** (i) Potassium citrate 1-substituted (Potassium dihydrogen citrate) | 72 346 |
| **E332** (ii) Potassium citrate 3-substituted (Tripotassium citrate). | 576 007 |
| **E333** Calcium citrates | 325 132 |
| **E334**Tartaric acid, L(+)- | 1 037 607 |
| (i) Sodium tartrate 1-substituted (Monosodium tartrate), | 1 |
| (i) Potassium tartrate 1-substituted (Monopotassium tartrate), | 8 490 |
| (ii) Potassium tartrate 2-substituted (Dipotassium tartrate). | 6 675 |
| **E338** Orthophosphoric acid | 3 384 988 |
| **E339** Sodium phosphates: |  |
| E339 (i) ortho-Phosphate of sodium 1-substituted (Monosodium orthophosphate) | 109 175 |
| E339 (ii) ortho-Phosphate of sodium 2-substituted (Disodium orthophosphate) | 50 437 |
| E339 (iii) ortho-Phosphate of sodium 3-substituted (Trisodium orthophosphate) | 1 002 752 |
| **E340** Potassium phosphates |  |
| E340 (i) ortho-Potassium phosphate 1-substituted (Monopotassium orthophosphate) | 1 524 056 |
| E340 (ii) ortho-Potassium phosphate 2-substituted (Dipotassium orthophosphate) | 202 000 |
| E340 (iii) ortho-Potassium phosphate 3-substituted (Tripotassium orthophosphate) | 1 |
| **E341** Calcium phosphates |  |
| E341 (i) ortho-Calcium phosphate 1-substituted (Monocalcium orthophosphate) | 180 936 |
| E341 (ii) ortho-Calcium phosphate 2-substituted (Dicalcium orthophosphate) | 105 750 |
| E341 (iii) ortho-Calcium phosphate 3-substituted (Tricalcium orthophosphate) | 259 975 |
| E342 (ii) Ammonium ortho-phosphate, double-substituted (Diammonium orthophosphate). | 71 899 |
| **E353** meta-Tartaric acid | 22 296 |
| **E354** Calcium tartrate | 500 |
| **E355** Adipic acid | 2 160 |
| **E363** Succinic acid | 319 534 |
| **E381** Ferric ammonium citrate | 51 |
| (i) Sodium Dihydropyrophosphate (Disodium diphosphate) | 2 659 237 |
| (ii) Sodium Monohydropyrophosphate (Trisodium diphosphate) | 374 850 |
| (iii) Sodium pyrophosphate (Tetrasodium diphosphate) | 410 669 |
| (v) Potassium pyrophosphate (Tetrapotassium diphosphate) | 46 802 |
| **E451** Triphosphates: |  |
| (i) Sodium triphosphate (5-substituted) (Pentasodium triphosphate) | 1 251 558 |
| (ii) Potassium triphosphate (5-substituted) (Pentapotassium triphosphate) | 21 537 |
| **E500 (i)** Sodium carbonate | 11 513 |
| **E500 (ii)** Sodium bicarbonate (Sodium hydrogen carbonate) | 2 327 873 |
| **E500 (iii)** A mixture of carbonate and sodium bicarbonate (Sodium sesquicarbonate) |  |
| **E501 (i)** Potassium carbonate | 88 648 |
| **E501 (ii)** Potassium bicarbonate (Potassium hydrogen carbonate) | 118 763 |
| **E503 (i)** Ammonium carbonate |  |
| **E503 (ii**) Ammonium hydrogen carbonate | 353 655 |
| **E504 (i)** Magnesium carbonate | 12 700 |
| **E504 (ii)** Magnesium bicarbonate (Magnesium hydrogen carbonate) | 31 575 |
| **E507** Hydrochloric acid | 4 193 254 |
| **E508** Potassium chloride | 411 694 |
| **E509** Calcium chloride | 1 660 250 |
| **E511** Magnesium chloride | 34 624 |
| **E513** Sulphuric acid | 9 |
| **E514** Sodium sulphates | 11 122 |
| **E515** Potassium sulphates | 221 268 |
| **E516** Calcium sulphates | 1 333 428 |
| **E517** Ammonium sulphates | 4 700 |
| **E518** Magnesium sulphates | 37 257 |
| **E519** Copper sulphate | 5 674 |
| **E520** Aluminum sulphate | 816 |
| **E522**Aluminum-potassium sulphate, aluminum-potassium alum | 191 |
| **E524** Sodium hydroxide | 4 590 771 |
| **E525** Potassium hydroxide | 1 103 681 |
| **E526** Calcium hydroxide | 64 411 |
| **E527** Ammonium hydroxide | 9 |
| **E528** Magnesium hydroxide | 2 |
| **E529** Calcium oxide | 35 475 |
| **E541**Sodium aluminum phosphate acidic | 49 000 |
| **E574** Gluconic acid (D-) | 300 |
| **E575** Glucono-delta lactone | 971 482 |
| **E576** Sodium gluconate | 48 966 |
| **E578** Calcium gluconate | 40 125 |
| **E579** Ferrous gluconate | 25 |
| **E580** Magnesium gluconate | 575 |
| **E585** Ferrous lactate | 25 |
| (i) Sodium silicate, | 46 069 |
| (ii) sodium metasilicate. | 538 028 |
| Silicon dioxide amorphous | 2 665 718 |
| (i) Magnesium silicate, | 527 839 |
| (iii) Talc. | 1 811 929 |
| Bentonite | 1 992 550 |
| Ammonium chloride | 67 330 |
| Magnesium oxide | 41 350 |
| Sodium Lactate (E325) | 560 235 |
| **Flavor enhancers** | |
| **E620** Glutamic acid L | 17 155 |
| **E621** Monosodium glutamate 1-substituted | 12 131 139 |
| **E631**Sodium Inosinate (5'-Sodium inosinate 2-substituted (disodium 5'-inosinate) | 1 945 |
| **E635** Sodium Ribonucleotides (5'-Sodium Ribonucleotides 2-substituted (disodium 5'-ribonucleotides) | 246 162 |
| **E636**Maltol | 2 701 |
| **E637**Ethylmaltol | 7 400 |
| **E640** Glycine and its sodium salt | 4 308 332 |
| **E650** Zinc acetate | 1 501 |
| **E927b** Carbamide (urea) | 12 854 |
| **Sweeteners** | |
| **E420 Sorbitol:** |  |
| E420 (i) Sorbitol | 14 539 255 |
| E420 (ii) Sorbitol syrup | 19 506 866 |
| **E421** Mannitol | 896 312 |
| **E950** Acesulphame potassium | 319 216 |
| **E951**Aspartame | 282 237 |
| **E952** Cyclamic acid and its sodium and calcium salts | 1 002 626 |
| **E953** Isomalt, isomaltitol | 2 119 119 |
| **E954** Saccharin (sodium, potassium, calcium salts) | 158 174 |
| **E955** Sucralose (trichlorogalacto-sucrose) | 69 687 |
| **E959** Neohesperidine dihydrochalcone | 8 614 |
| **E960** Steviol glycosides | 22 040 |
| **E961** Neotame | 2 740 |
| **E962** Aspartame-acesulphame salt | 54 001 |
| **E965** Maltitol | 5 673 392 |
| **E965** Maltitol syrup | 539 805 |
| **E967** Xylitol | 5 324 078 |
| **E968** Erythritol | 664 500 |
| **Stevia** (Stevia rebaudiana Bertoni), leaf powder and syrup from them, stevia extracts – (without E code) | 29 394 |
| **Moisture-retaining substances** | |
| **E325** Sodium lactate | 560 235 |
| **E422** Glycerol | 28 235 010 |
| **E462** Ethyl cellulose | 6 638 |
| **E1505** Triethyl citrate foaming agent, carrier | 7 050 |
| **E1518** Triacetin moisture-retaining agent, carrier | 6 605 487 |
| **E1519** Benzyl alcohol CARRIER | 210 |
| **E1520**Propylene glycol | 3 459 925 |
| **Substances for processing flour** | |
| **E510** Ammonium chloride | 31 330 |
| **E920** Cysteine, L-, and its hydrochlorides- sodium and potassium salts | 72 081 |
| **E928** Benzoyl peroxide | 15 250 |
| **Anti-tracking agents** | |
| **E530** Magnesium oxide | 41 350 |
| **E551** Silicon dioxide amorphous | 2 665 718 |
| E553 (i) Magnesium silicate, | 527 839 |
| E553 (iii) Talc | 1 811 929 |
| **E558** Bentonite | 1 992 550 |
| **Enzymes** | |
| Amylase (alpha-, beta-, other) total\* | 416 753 |
| α-amylase (alpha-amylase), including subspecies (such as Maltogenic α-amylase) | 453 201 |
| Glucoamylase (or amyloglucosidase) | 771 125 |
| Arabinofuranosidase | 2 180 |
| Asparaginase | 2 |
| Bromelain | 2 860 |
| Galactosidase (alpha, beta, other) total | 2 400 |
| α-galactosidase (alpha-galactosidase) or Maltase | 515 |
| β-galactosidase (beta-galactosidase) or Lactase | 30 056 |
| Glucanase | 200 587 |
| Glucose oxidase | 15 |
| Dextranase | 679 |
| Invertase | 8 680 |
| Isomerase (including glucoisomerase, xyloisomerase) | 5 500 |
| Catalase | 22 654 |
| Xylanase | 368 649 |
| Lactase | 13 544 |
| Lysozyme | 52 413 |
| Lipase | 18 577 |
| Pectinase, incl. Pectinesterase, Pectinliase, Polygalacturonase, Arabanase | 10 111 |
| Phospholipase A2 | 51 162 |
| Phospholipase D | 0,032 |
| Proteases | 335 136 |
| Papain | 25 782 |
| Pepsin | 78 |
| Mucorpepsin | 86 |
| Pullulanase | 15 580 |
| Rennet enzyme | 6 323 179 |
| Transglutaminase (TG) | 1 056 618 |
| Trypsin (incl. Chymotrypsin) | 231 |
| Cellulase (including hemicellulase) | 34 507 |
| Chymosin | 6 830 |
| Ficin | 0,03 |
| Esterase | 50 |
| **Other substances** | |
| Gelatin (of various aggregate state, including granules and plates) | 15 055 541 |
| Inulin | 2 478 172 |
| Oligosaccharides | 943 991 |
| Galactooligosaccharides (GOS) | 79 992 |
| Fructooligosaccharides (FOS) | 590 811 |
| Maltodextrin | 15 041 091 |
| Glucose (dextrose) monohydrate | 27 562 586 |
| Allyl Mustard Oil (Allylisothiocyanate) | 2 641 |
| Yeast / Yeast extract |  |
| Yeast | 3 717 725 |
| Yeast Extract | 422 076 |
| Salting mixtures / Nitrite-strip mixtures | 1 023 009 |
| Casein (milk protein) | 6 304 642 |
| Sodium Caseinate | 399 000 |
| Milk albumin (alpha-lactalbumin) | 865 136 |
| Egg albumin (ovalbuminum Ovalbumin) | 764 711 |
| Whey Protein Hydrolysates | 1 541 653 |
| Demineralized whey | 5 790 750 |
| Vegetable proteins | 342 100 |
| Pea Protein | 71 080 |
| Pea Protein Isolate | 47 400 |
| Dietary pea fibers | 212 500 |
| Soy protein | 5 736 018 |
| Soy Protein Isolate | 25 455 187 |
| Vitamin mixtures for use in the food industry, vitamin powder premix | 328 338 |
| Mixtures of vitamins and minerals intended for a balanced supplement to nutrition | 717 939 |
| Vitamins A and their derivatives | 21 183 |
| Vitamin B1 and its derivatives | 21 485 |
| Vitamin B2 and its derivatives | 3 871 |
| D- and dl-pantothenic acid (vitamin B3 or vitamin B5), its derivatives | 35 649 |
| Vitamin B6 and its derivatives | 8 236 |
| Vitamin B12 and its derivatives | 15 165 |
| Vitamin C and its derivatives | 840 631 |
| Vitamin E and its derivatives | 209 807 |
| Other vitamins and their derivatives | 283 050 |
| Vitamin B9 and its derivatives | 37 901 |
| Vitamin H and its derivatives | 138 |
| Separators and lubricants | 2 055 879 |
| **Herbs and spices** | |
| Basil | 865 559 |
| Ground basil | 144 713 |
| Sliced basil | 31 538 |
| Other seasonings | 14 914 778 |
| Mustard seeds | 2 847 736 |
| Cayenne Pepper | 58 075 |
| Turmeric | 465 549 |
| Ground turmeric | 1 157 083 |
| Ground Marjoram | 89 893 |
| Marjoram cut | 15 573 |
| Ground nutmeg color | 400 |
| Oregano | 200 891 |
| Paprika | 1 929 744 |
| Paprika asta | 1 836 423 |
| Red paprika granules | 9 160 |
| Red paprika flakes | 156 489 |
| Ground white pepper | 21 009 |
| Rosemary | 169 232 |
| Ground rosemary | 881 |
| Rosemary cut | 140 728 |
| Celery | 115 861 |
| Cumin seeds | 511 067 |
| Seasoning mixes | 7 846 813 |
| Thyme | 341 445 |
| Thyme, sliced | 18 351 |
| Ground cumin | 1 946 |
| Whole cumin | 21 226 |
| Sage | 17 211 |
| Fried onion | 20 560 |

|  |  |
| --- | --- |
| **Dyes** | |
| **Name** | **Demand,**  **kg** |
|
| Concentrates, infusions | 14 958 734 |
| Vegetable and fruit extracts | 4 526 815 |
| Tea and coffee extracts | 57 612 538 |
| Complex dyes (complex food grade additive dye) | 1 435 109 |
| E100 Curcumins |  |
| (i) Curcumin (E100i) | 11 115 |
| (ii) Turmeric (E100ii) | 1 232 491 |
| E100 Other, indefinite |  |
| E101 Riboflavins: |  |
| (i) Riboflavin (E100i) | 10 749 |
| (ii) Riboflavin 5-phosphate sodium (E100ii) | 1 608 |
| E101 Other, indefinite |  |
| E102 Tetrazine | 1 585 |
| E104 Quinoline yellow | 95 |
| E110 Yellow "sunset" | 1 657 |
| E120 Carmines | 260 213 |
| E122 Azorubine, Carmoisine | 341 |
| E124 Ponceau 4R, Crimson 4R | 38 641 |
| E129 Red Charming | 925 |
| E131 Patent Blue V | 89 |
| E132 Indigocarmine (indigotine) | 2 346 |
| E133 Blue Shiny FCF, Diamond Blue FCF | 31 556 |
| E140 Chlorophyll (E140): |  |
| (i) Chlorophylls (E140i) | 106 |
| (ii) Chlorophyllins (E140ii) | 1 |
| E140 Other, indefinite |  |
| E141 Chlorophyll Copper Complexes: |  |
| (i) Copper complexes of chlorophylls (E141i) | 376 |
| (ii) Copper complexes of chlorophyllins (E141ii) | 4 315 |
| E141 Other, indefinite |  |
| E142 Green S | 228 |
| E143 Green Durable FCF | 0 |
| E150a Caramel I - Plain | 341 649 |
| E150b Caramel II - Caustic sulphite process |  |
| E150c Caramel III - Ammonium process | 255 586 |
| E150d CARAMEL IV - Ammonia-sulphite process | 1 624 192 |
| Other caramel colour (E150 b, c, d) | 913 109 |
| E151 **Shiny Black PN, Brilliant Black PN** | 0 |
| E153 Vegetable charcoal | 5 264 |
| E155 Brown |  |
| E160a Carotenes: |  |
| (i) MIXED CAROTENES Vegetable carotenes and carotenes from algae (E160a (i)) | 17 646 |
| (ii) BETA-CAROTENE Beta-carotene (E160a (ii)) | 23 447 |
| E160a Other, indefinite | 80 |
| E160b Annato Extracts **(E160b (i), (ii), (iii))** | 75 840 |
| E160c Paprika Extract, Paprika Oleoresins, Capsanthin, Capsorubin | 46 733 |
| E160d Lycopene | 3 401 |
| E160e Beta-APO-Carotene Aldehyde (BETA-APO-CAROTENAL) (E160e) | 1 320 |
| E160f beta-Apo-8'-carotenoic acid methyl or ethyl esters | 1 960 |
| E161b Lutein | 57 159 |
| E161g Canthaxanthin |  |
| E162 Beet Red | 78 803 |
| E163 Anthocyanins: |  |
| (i) Anthocyanins (E163(i)) | 316 340 |
| (ii) Grape Skin Extract, Enocolor (E163(ii)) | 1 265 062 |
| (iii) Blackcurrant extract (E163 (iii)) | 2 024 |
| E163 Other, indefinite |  |
| E170 Calcium carbonate | 2 723 249 |
| E171 Titanium dioxide | 2 611 321 |
| E172 Iron oxides and hydroxides |  |
| (ii) iron oxide (+3)-red (E172(ii) | 148 549 |
| (iii) iron oxide (+3)-yellow (E172(iii) | 9 888 |
| E172 Other, indefinite | 954 577 |
| E174 Silver | 500 |
| E175 Gold | 59 |
| E181 Food grade tannins | 112 053 |
| Red rice | 409 481 |
| Ultramarine | 432 678 |
| (ii) Extracts of natural carotenes (E160a) |  |
| Yellow 2G\* |  |
| Red 2G\* |  |
| (i) Beta-carotene synthetic, | 42 461 |
| (i) iron oxide (+2,+3)-black; | 60 640 |
| Coal (E152) | 50 |

**Glaziers**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
|
| **E901** Beeswax, white and yellow | 54 861 |
| **E902** Candelilla wax | 2 607 |
| **E903** Carnauba wax | 358 120 |
| **E904** Shellac | 233 910 |
| **E905a**Vaseline oil | 2 409 855 |
| **E905c** (i) Microcrystalline wax | 20 479 |
| **E905d**Mineral oil (high viscosity) |  |
| **E905e** Mineral oil (medium and low viscosity, Class I) | 787 994 |
| **E907** Hydrogenated Poly-1-Decene | 1 699 273 |
| **E912 Esters of montanic (octacosanic) acid** | 21 737 |
| **E914**Oxidized polyethylene wax | 198 963 |
| **E1203**Polyvinyl alcohol | 3 468 620 |
| **E1204** Pullulan | 1 669 |
| **E1205** Basic methacrylate copolymer |  |
| **E1206** Neutral methacrylate copolymer |  |
| **E1207** Methacrylate anionic copolymer |  |
| **E1209** Graft-copolymer of polyvinyl alcohol and polyethylene |  |
| **E1503** Castor oil | 286 563 |
| **E1521** Polyethylene glycol | 545 116 |
|  |  |
| E905b Vaseline | 1 286 301 |
| E905c (ii) Paraffin wax | 1 486 581 |

**Preservatives**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
|
| **E200** Sorbic acid | 594199 |
| **E201**Sodium sorbate |  |
| **E202** Potassium Sorbate | 3066481,8 |
| **E203**Calcium sorbate |  |
| **E210** Benzoic Acid | 6125 |
| **E211**Sodium Benzoate | 2720272,1 |
| **E212**Potassium Benzoate |  |
| **E213**Calcium benzoate |  |
| **E214** Ethyl p-hydroxybenzoate | 0,0242 |
| **E215** Sodium ethyl p-hydroxybenzoate | 125 |
| **E218** Methyl p-hydroxybenzoate | 4988,7927 |
| **E219** Sodium methyl p-hydroxybenzoate |  |
| **E220** Sulphur dioxide | 102950 |
| **E221** Sodium sulphite | 5 |
| **E222** Sodium hydrosulphite | 639950 |
| **E223** Sodium pyrosulphite | 2159153 |
| **E224 Potassium Pyrosulphite (E224)+A3A33:E43** | 322357,22 |
| **E225** Potassium sulphite | 2450 |
| **E226** Calcium sulphite (E226) |  |
| **E227** Calcium hydrogen sulphite |  |
| **E228**Potassium hydrogen sulphite (bisulphite) | 1370 |
| **E230 Diphenyl** |  |
| **E231** ortho-phenylphenol | 100 |
| **E232** Ortho-Phenylphenol sodium salt |  |
| **E234** Nizine | 56487,628 |
| **E235** Pimaricin, Natamycin | 31943,167 |
| **E236** Formic acid | 48005,508 |
| **E242** Dimethyl dicarbonate | 20675 |
| **E243 Ethyl lauryl arginate** |  |
| **E249** Potassium nitrite |  |
| **E250** Sodium nitrite | 13850 |
| **E251** Sodium nitrate |  |
| **E252** Potassium nitrate | 1073412 |
| **E260** Glacial acetic acid | 1183988,8 |
| **E261** Potassium Acetate |  |
| (i) Potassium acetate, | 0,1 |
| (ii) Potassium diacetate |  |
| **E262**Sodium acetates |  |
| (i) Sodium acetate, | 3340582,4 |
| (ii) Sodium diacetate. | 820800,6 |
| **E263**Calcium Acetate | 411647,8 |
| **E265**Dehydroacetic acid |  |
| **E266** Sodium dehydroacetate | 2246 |
| **E280**Propionic acid | 908510 |
| **E281**Sodium propionate | 61600 |
| **E282**Calcium propionate | 1805890 |
| **E283** Potassium propionate |  |

**Antioxidants**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
|
| **E300**Ascorbic acid, L- | 1 653 217 |
| **E301** Sodium ascorbate | 51 263 |
| **E302** Calcium ascorbate | 1 175 |
| **E303**Potassium ascorbate |  |
| **E304** (i)Ascorbyl palmitate | 13 974 |
| **E304 (**ii) Ascorbyl stearate |  |
| **E306**Mixed tocopherols concentrate | 25 086 |
| **E307** alpha-Tocopherol | 37 050 |
| **E308** Synthetic gamma-Tocopherol |  |
| **E309** Synthetic delta-Tocopherol |  |
| **E310** Propyl gallate |  |
| **E311** Octyl gallate |  |
| **E312** Dodecyl gallate |  |
| **E314** Guaiac resin |  |
| **E315** Isoascorbic (erythorbic) acid | 11 000 |
| **E316** Sodium isoascorbate | 1 226 924 |
| **E319** Tertial butylhydroquinone | 5 160 |
| **E320** Butylated hydroxyanisole | 87 067 |
| **E321**Butylated hydroxytoluene, "Ionol" | 251 |
| **E322** Lecithins, phosphatides | 8 506 198 |
| **E384** Isopropyl Citrate mixture |  |
| **E385**Calcium-sodium ethylenediaminetetraacetate, calcium disodium EDTA | 37 500 |
| **E386** Disodium ethylene- diamine-tetra-acetate**)** |  |
| **E387 Oxystearin** |  |
| **E392** Rosemary extracts | 4 256 |
| **E586** 4-Hexylresorcinol |  |
| Dihydroquercetin (without E code) or Taxifolin | 21 |
| Quercitin (without E code) |  |
| **Stabilizers** |
| **Name** | **Demand,**  **kg** |
|
| **E400** Alginic acid | 13 724 |
| **E401** Sodium alginate | 1 542 710 |
| **E402** Potassium alginate | 661 |
| **E403**Ammonium alginate |  |
| **E404** Calcium alginate | 1 751 |
| **E405** Propylene glycol alginate | 2 200 |
| **E406** Agar | 1 211 028 |
| **E407** Carrageenan and its sodium, potassium, ammonium salts, including furcellaran | 1 722 851 |
| **E407a** Carrageenan made of EUCHEMA algae | 2 526 162 |
| **E409** Arabinogalactan | 1 |
| **E410** Carob bean gum | 167 312 |
| **E411 Oat gum** |  |
| **E412** Guar gum | 3 641 428 |
| **E413**Tragacanth gum | 225 |
| **E414** Gum arabic (acacia gum) | 1 660 453 |
| **E415** Xanthan gum | 2 559 749 |
| **E416** Karaya gum | 2 200 |
| **E417** Tara gum | 158 895 |
| **E418** Gellan gum | 48 691 |
| **E423 Octenil succinic acid modified gumarabic** |  |
| **E425 Konjak (Konjak flour):** |  |
| E425 (i) Konjac gum | 446 490 |
| E425 (ii) Konjac glucomannane |  |
| **E426** Soybean hemicellulose |  |
| **E427** Cassia gum | 565 100 |
| **E440** Pectins | 4 430 599 |
| **E459** Beta-Cyclodextrin | 10 542 |
| **E460 Cellulose:** |  |
| E460(i) Microcrystalline cellulose, | 2 217 141 |
| E460(ii) Powdered cellulose. | 900 180 |
| **E461** Methyl cellulose | 82 809 |
| **E463** Hydroxypropyl cellulose | 54 664 |
| **E464** Hydroxypropyl methylcellulose | 627 716 |
| **E465**Methyl ethyl cellulose | 5 000 |
| **E466 Carboxymethyl cellulose** |  |
| Carboxymethyl cellulose | 2 325 020 |
| Sodium carboxymetyl cellulose | 1 573 327 |
| Cellulose gum |  |
| **E467** Ethyl hydroxyethyl cellulose |  |
| **E468** Croscaramellose (cross-linked sodium carboxymetyl cellulose) | 29 817 |
| **E469** Enzymatically hydrolysed carboxymetyl cellulose or Enzymatically hydrolysed cellulose gum |  |
| **E570** Fatty acids | 5 822 512 |
| **E999** Quillaia extract |  |
| **E1200** Polydextroses orPolydextroses A and N | 318 850 |
| **E1201** Polyvinylpyrrolidone | 30 750 |
| **E1202** Polyvinylpolypyrrolidone | 235 072 |
| **E1400** Dextrins, roasted starch white and yellow | 252 600 |
| **E1401** Acid-treated starch | 842 553 |
| **E1402** Alkaline treated starch |  |
| **E1403** Bleached starch | 21 664 |
| **E1404** Oxidized starch | 48 575 |
| **E1405** Starches enzime-treated or fermented starch |  |
| **E1410** Monostarch phosphate |  |
| **E1412** Dicrachmal phosphate esterified with trisodium metaphosphate; esterified with phosphorus chloroxide | 2 938 287 |
| **E1413** Phosphated dicrach malphosphate "crosslinked" (E1413) | 36 050 |
| **E1414**Acetylated starch phosphate "crosslinked" (E1414) | 2 953 028 |
| **E1420** Acetylated starch or starch acetate esterified with acetic anhydride | 6 253 800 |
| **E1422** Acetylated distarch adipate | 21 867 225 |
| **E1440** Hydroxypropyl starch | 552 400 |
| **E1442** Hydroxypropyl distarch phosphate "cross-linked" | 7 828 492 |
| **E1450**Starch ether and sodium salt of octenylantaric acid (starch sodium octenyl succinate) | 203 184 |
| **E1451** Acetylated oxidized starch | 38 000 |
| **E1452**Starch and aluminum salts of octenylantaric acid ether (starch aluminum octenyl succinate) |  |
| **WITHOUT E code:** |  |
| Licorice Root Extract (=licorice) | 160 588 |
| Soap Root extract (Prickly pear) | 296 698 |
| Chitosan, chitosonium hydrochloride (without E code) | 32 425 |

**Emulsifiers**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
|
| **E430** Polyoxyethylene (8) stearate |  |
| **E431** Polyoxyethylene (40) stearate |  |
| **E432** Polyoxyethylene (20) sorbitan monolaurate, Twin 20 | 74 921 |
| **E433**Polyoxyethylene (20) sorbitan monooleate, Twin 80 | 80 119 |
| **E434**Polyoxyethylene (20) sorbitan monopalmitate, Twin 40 |  |
| **E435**Polyoxyethylene (20) Sorbitan monostearate, Twin 60 | 92 515 |
| **E436**Polyoxyethylene (20) sorbitan tristearate |  |
| **E442** Phosphatidylic acid ammonium salts (ammonium phosphatides) | 4 270 |
| **E444**Sucrose acetate isobutirate |  |
| **E445**Glycerol esters of wood resin | 9 258 |
| E452(i) Sodium polyphosphate, | 987 668 |
| E452(ii) Potassium polyphosphate, | 12 000 |
| E452(iii) Sodium-calcium polyphosphate |  |
| E452(iv) Calcium polyphosphates, |  |
| E452(v) Ammonium polyphosphates. | 142 000 |
| **E470** Fatty acids, salts of aluminum, calcium, sodium, magnesium, potassium and ammonium | 138 880 |
| **E471** Mono- and diglycerides of fatty acids | 7 256 062 |
| **E472a** Acetic and fatty acid esters of glycerol or Esters acetic and fatty acid of glycerol | 2 542 |
| **E472b** Lactic and fatty acid esters of glycerol or Lactic and fatty acid esters of glycerol | 59 588 |
| **E472c** Citric and fatty acid esters of glycerol or Citric and fatty acid esters of glycerol | 160 433 |
| **E472d** Tartaric acid esters of mono- and diglycerides of fatty acids or Mono- and diglycerides of fatty acids and tartaric acid, esters |  |
| **E472e** Diacetyltartaric and fatty acid esters of glycerol or Diacetyltartaric and fatty acid esters of glycerol | 627 547 |
| **E472f** Mixed tartaric, acetic and fatty acid esters of glycerol or Mixed tartaric, acetic and fatty acid esters of glycerol |  |
| **E472D Succinylated monoglycerides** |  |
| **E473** Sucrose esters of fatty acids | 4 010 |
| **E474** Sucroglycerides |  |
| **E475** Polyglycerol esters of fatty acids | 301 643 |
| **E476** Polyglycerol esters of interesterified ricinoleic acid | 652 444 |
| **E477** Propylene glycol esters of fatty acids | 190 |
| **E478 Lactylated fatty acid esters of glycerol and propylene glycol** |  |
| **E479** Thermally oxidized soyabean oil with mono- and diglycerides of fatty acids |  |
| **E480** Dioctyl sodium sulphosuccinate |  |
| **E481(i)** Sodium stearoyl-2-lactylate | 374 354 |
| **E481(ii)** Sodium oleyl lactylate. |  |
| **E482** Calcium stearoyl-2-lactylate | 2 |
| **E483** Stearyl tartrate |  |
| **E484** Stearyl citrate |  |
| **E491** Sorbitan monostearate, SPAN 60 | 477 980 |
| **E492** Sorbitan tristearate | 1 065 163 |
| **E493** Sorbitan monolaurate, SPAN 20 | 0 |
| **E494** Sorbitan monooleate, SPAN 80 | 4 309 |
| **E495** Sorbitan monopalmitate, SPAN 40 |  |
| **E496**Sorbitan trioleate, SPAN 85 |  |
| **E542** Bone phosphate (essentiale Calcium phosphate, tribasic) |  |
| **E900** Polydimethylsiloxane | 18 573 |
| *Polysorbates (60, 65, 80)* | 85 |

**Acidity regulators**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
|
| **E264 Ammonium acetate** | 200 |
| **E270** Lactic acid, L-, D- and DL- | 3 931 237 |
| **E296** Malic acid, DL- | 1 538 883 |
| **E297** Fumaric acid | 1 050 495 |
| **E326** Potassium lactate | 129 202 |
| **E327**Calcium lactate | 457 583 |
| **E328 Ammonium lactate** |  |
| **E329** Magnesium lactate, DL- | 139 175 |
| **E330** Citric acid | 47 397 761 |
| **E331 Sodium citrates** |  |
| E331 (i) Sodium citrate 1-substituted (Sodium dihydrogen citrate), | 1 271 965 |
| E331 (ii) Sodium citrate 2-substituted (Disodium monohydrogen citrate) |  |
| E331 (iii) Sodium citrate 3-substituted (Trisodium citrate). | 5 980 468 |
| **E332 Potassium citrates:** |  |
| E332 (i) Potassium citrate 1-substituted (Potassium dihydrogen citrate) | 72 346 |
| E332 (ii) Potassium citrate 3-substituted (Tripotassium citrate). | 576 007 |
| **E333 Calcium citrates** | 325 132 |
| **E334Tartaric acid, L(+)-** | 1 037 607 |
| **E335 Sodium tartrates:** |  |
| (i) Sodium tartrate 1-substituted (Monosodium tartrate), | 1 |
| (ii) Sodium tartrate 2-substituted (Disodium tartrate). |  |
| **E336 Potassium tartrates:** |  |
| (i) Potassium tartrate 1-substituted (Monopotassium tartrate), | 8 490 |
| (ii) Potassium tartrate 2-substituted (Dipotassium tartrate). | 6 675 |
| **E337 Potassium sodium tartrate** |  |
| **E338 Orthophosphoric acid** | 3 384 988 |
| **E339 Sodium phosphates:** |  |
| E339 (i) ortho-Phosphate of sodium 1-substituted (Monosodium orthophosphate) | 109 175 |
| E339 (ii) ortho-Phosphate of sodium 2-substituted (Disodium orthophosphate) | 50 437 |
| E339 (iii) ortho-Phosphate of sodium 3-substituted (Trisodium orthophosphate) | 1 002 752 |
| **E340 Potassium phosphates** |  |
| E340 (i) ortho-Potassium phosphate 1-substituted (Monopotassium orthophosphate) | 1 524 056 |
| E340 (ii) ortho-Potassium phosphate 2-substituted (Dipotassium orthophosphate) | 202 000 |
| E340 (iii) ortho-Potassium phosphate 3-substituted (Tripotassium orthophosphate) | 1 |
| **E341 Calcium phosphates** |  |
| E341 (i) ortho-Calcium phosphate 1-substituted (Monocalcium orthophosphate) | 180 936 |
| E341 (ii) ortho-Calcium phosphate 2-substituted (Dicalcium orthophosphate) | 105 750 |
| E341 (iii) ortho-Calcium phosphate 3-substituted (Tricalcium orthophosphate) | 259 975 |
| **E342 Ammonium phosphates:** |  |
| E342 (i) Ortho-ammonium phosphate monosubstituted (Monoammonium orthophosphate) |  |
| E342 (ii) Ammonium ortho-phosphate, double-substituted (Diammonium orthophosphate). | 71 899 |
| **E343 Magnesium phosphates:** |  |
| E343 (i) Ortho-Magnesium phosphate 1-substituted (Monomagnesium orthophosphate) |  |
| E343 (ii) Ortho-Phosphate of magnesium 2-substituted (Dimagnesium orthophosphate) |  |
| E343 (iii) Ortho-magnesium phosphate 3-substituted (Trimagnesium orthophosphate). |  |
| **E350 Sodium malates:** |  |
| E350 (i) Sodium malate 1-substituted (Sodium hydrogen malate) |  |
| E350 (ii) Sodium malate. |  |
| **E351 Potassium malates:** |  |
| E351 (i) Potassium malate 1-substituted (Potassium hydrogen malate), |  |
| E351 (ii) Potassium malate |  |
| **E352 Calcium malates** |  |
| E352 (i) Calcium malate 1-substituted (Calcium hydrogen malate) |  |
| E352 (ii) Calcium malate. |  |
| **E353 Meta-tartaric acid** | 22 296 |
| **E354 Calcium tartrate** | 500 |
| **E355 Adipic acid** | 2 160 |
| **E356 Sodium Adipates** |  |
| **E357 Potassium Adipates** |  |
| **E359 Ammonium adipates** |  |
| **E363 Succinic acid** | 319 534 |
| **E365 Sodium fumarates** |  |
| **E380 Ammonium citrates** |  |
| **E381 Ferric ammonium citrate** | 51 |
| **E450 Pyrophosphates (diphosphates)** |  |
| (i) Sodium Dihydropyrophosphate (Disodium diphosphate), | 2 659 237 |
| (ii) Sodium Monohydropyrophosphate (Trisodium diphosphate), | 374 850 |
| (iii) Sodium pyrophosphate (Tetrasodium diphosphate); | 410 669 |
| (v) Potassium pyrophosphate (Tetrapotassium diphosphate), | 46 802 |
| **E451 Triphosphates:** |  |
| (i) Sodium triphosphate (5-substituted) (Pentasodium triphosphate), | 1 251 558 |
| (ii) Potassium triphosphate (5-substituted) (Pentapotassium triphosphate). | 21 537 |
| **E500 (i)** Sodium carbonate | 11 513 |
| **E500 (ii)** Sodium bicarbonate (Sodium hydrogen carbonate) | 2 327 873 |
| **E500 (iii)** A mixture of carbonate and sodium bicarbonate (Sodium sesquicarbonate) |  |
| **E501 (i)** Potassium carbonate | 88 648 |
| **E501 (ii)** Potassium bicarbonate (Potassium hydrogen carbonate) | 118 763 |
| **E503 (i)** Ammonium carbonate |  |
| **E503 (ii**) Ammonium hydrogen carbonate | 353 655 |
| **E504 (i)** Magnesium carbonate | 12 700 |
| **E504 (ii)** Magnesium bicarbonate (Magnesium hydrogen carbonate) | 31 575 |
| **E505 Ferrous carbonate** |  |
| **E507** Hydrochloric acid | 4 193 254 |
| **E508** Potassium chloride | 411 694 |
| **E509** Calcium chloride | 1 660 250 |
| **E511** Magnesium chloride | 34 624 |
| **E513** Sulphuric acid | 9 |
| **E514** Sodium sulphates | 11 122 |
| **E515** Potassium sulphates | 221 268 |
| **E516** Calcium sulphates | 1 333 428 |
| **E517** Ammonium sulphates | 4 700 |
| **E518** Magnesium sulphates | 37 257 |
| **E519 Copper sulphate** | 5 674 |
| **E520** Aluminum sulphate | 816 |
| **E521**Aluminum-sodium sulphate, aluminum-sodium alum |  |
| **E522**Aluminum-potassium sulphate, aluminum-potassium alum | 191 |
| **E523**Aluminum-ammonium sulphate, aluminum-ammonia alum |  |
| **E524** Sodium hydroxide | 4 590 771 |
| **E525** Potassium hydroxide | 1 103 681 |
| **E526** Calcium hydroxide | 64 411 |
| **E527** Ammonium hydroxide | 9 |
| **E528** Magnesium hydroxide | 2 |
| **E529** Calcium oxide | 35 475 |
| **E541**Sodium aluminum phosphate acidic | 49 000 |
| **E574** Gluconic acid (D-) | 300 |
| **E575** Glucono-delta lactone | 971 482 |
| **E576** Sodium gluconate | 48 966 |
| **E577** Potassium gluconate |  |
| **E578** Calcium gluconate | 40 125 |
| **E579** Ferrous gluconate | 25 |
| **E580** Magnesium gluconate | 575 |
| **E585** Ferrous lactate | 25 |
|  |  |
| Succinates of sodium, potassium, calcium (without E code) |  |
| Sodium thiosulphate |  |
| Bone phosphate (essentiale Calcium phosphate, tribasic) |  |
| (i) Sodium silicate, | 46 069 |
| (ii) sodium metasilicate. | 538 028 |
| Silicon dioxide amorphous | 2 665 718 |
| Calcium silicate |  |
| (i) Magnesium silicate, | 527 839 |
| (iii) Talc. | 1 811 929 |
| Bentonite | 1 992 550 |
| Aluminum silicate |  |
| Potassium silicate |  |
| Ammonium chloride | 67 330 |
| Magnesium oxide | 41 350 |
| Ferric chloride |  |
| Sodium Lactate (E325) | 560 235 |

**Flavor enhancers**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
|
| **E620** Glutamic acid L(+)- | 17 155 |
| **E621** Monosodium glutamate 1-substituted | 12 131 139 |
| **E622**Potassium glutamate 1-substituted (Monopotassium glutamate) |  |
| **E623**Calcium glutamate |  |
| **E624**Ammonium Glutamate 1-substituted (Monoammonium glutamate) |  |
| **E625**Magnesium glutamate |  |
| **E626** Guanylic acid |  |
| **E627Sodium Guanylate** (5'-Sodium Guanylate 2-substituted (Disodium 5'-Guanylate) |  |
| **E628Potassium Guanylate** (5'-Potassium Guanylate 2-substituted (Dipotassium 5'-Guanylate) |  |
| **E629Calcium Guanylate (**5'-Calcium Guanylate (Calcium 5'-Guanylate) |  |
| **E630** Inosinic acid |  |
| **E631**Sodium Inosinate (5'-Sodium inosinate 2-substituted (disodium 5'-inosinate) | 1 945 |
| **E632**Potassium inosinate (5'-Potassium inosinate 2-substituted (Dipotassium 5'-Inosinate) |  |
| **E633**Calcium Inosinate (5'-Calcium Inosinate) |  |
| **E634** Calcium Ribonucleotides (5'-Calcium Ribonucleotides) |  |
| **E635** Sodium Ribonucleotides (5'-Sodium Ribonucleotides 2-substituted (disodium 5'-ribonucleotides) | 246 162 |
| **E636 Maltol** | 2 701 |
| **E637 Ethylmaltol** | 7 400 |
| **E640** Glycine and its sodium salt | 4 308 332 |
| **E650** Zinc acetate | 1 501 |
| **E927b** Carbamide (urea) | 12 854 |

**Sweeteners**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
|
| **E420 Sorbitol:** |  |
| E420 (i) Sorbitol | 14 539 255 |
| E420 (ii) Sorbitol syrup | 19 506 866 |
| **E421** Mannitol | 896 312 |
| **E950** Acesulphame potassium | 319 216 |
| **E951**Aspartame | 282 237 |
| **E952** Cyclamic acid and its sodium and calcium salts | 1 002 626 |
| **E953** Isomalt, isomaltitol | 2 119 119 |
| **E954** Saccharin (sodium, potassium, calcium salts) | 158 174 |
| **E955** Sucralose (trichlorogalacto-sucrose) | 69 687 |
| **E956 Aclame (Alitame)** |  |
| **E957** Thaumatin |  |
| **E959** Neohesperidine dihydrochalcone | 8 614 |
| **E960** Steviol glycosides | 22 040 |
| **E961** Neotame | 2 740 |
| **E962** Aspartame-acesulphame salt | 54 001 |
| **E963 Tagatose** |  |
| **E964 Polyglycitol or Polyglycitol syrup** |  |
| **E965** Maltitol | 5 673 392 |
| **E965** Maltitol syrup | 539 805 |
| **E966** Lactitol |  |
| **E967** Xylitol | 5 324 078 |
| **E968** Erythritol | 664 500 |
| **Stevia** (Stevia rebaudiana Bertoni), leaf powder and syrup from them, stevia extracts – (without E code) | 29 394 |

**Moisture-retaining substances**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
| **E325** Sodium lactate | 560 235 |
| **E422** Glycerol | 28 235 010 |
| **E462** Ethyl cellulose | 6 638 |
| **E1505** Triethyl citrate foaming agent, carrier | 7 050 |
| **E1517** Diacetin (glyceryl diacetate) – moisture-retaining agent, carrier |  |
| **E1518** Triacetin moisture-retaining agent, carrier | 6 605 487 |
| **E1519** Benzyl alcohol CARRIER | 210 |
| **E1520**Propylene glycol | 3 459 925 |

**Substances for processing flour**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
| **E510** Ammonium chloride | 31 330 |
| **E483** Stearyl tartrate |  |
| **E920** Cysteine, L-, and its hydrochlorides- sodium and potassium salts | 72 081 |
| **E928** Benzoyl peroxide | 15 250 |
| **E930** Calcium peroxide |  |

**Anti-tracking agents**

|  |  |
| --- | --- |
|  | |
| **Name** | **Demand,**  **kg** |
|
| **E530** Magnesium oxide | 41 350 |
| **E535** Sodium ferrocyanide |  |
| **E536** Potassium Ferrocyanide |  |
| **E538** Calcium Ferrocyanide |  |
| **E539 Sodium Thiosulphate** |  |
| **E551** Silicon dioxide amorphous | 2 665 718 |
| **E552** Calcium silicate |  |
| **E553 Magnesium silicates:** |  |
| E553 (i) Magnesium silicate, | 527 839 |
| E553 (ii) Magnesium trisilicate, |  |
| E553 (iii) Talc | 1 811 929 |
| **E554 Sodium aluminosilicate** |  |
| **E555 Potassium aluminum silicate** |  |
| **E556 Calcium aluminosilicate** |  |
| **E558 Bentonite** | 1 992 550 |
| **E559 Aluminum silicate** |  |
| **E560 Potassium silicate** |  |

**Enzymes**

|  |  |
| --- | --- |
| **Name** | **Demand,**  **kg** |
|
| **Amylase (alpha-, beta-, other) total\*** | 416 753 |
| α-amylase (alpha-amylase), including subspecies (such as Maltogenic α-amylase) | 453 201 |
| β-amylase (beta-amylase) |  |
| Glucoamylase (or amyloglucosidase) | 771 125 |
| **Arabinofuranosidase** | 2 180 |
| **Alcohol dehydrogenase** |  |
| **Asparaginase** | 2 |
| Bromelain | 2 860 |
| **Galactosidase (alpha, beta, other) total** | 2 400 |
| α-galactosidase (alpha-galactosidase) or Maltase | 515 |
| β-galactosidase (beta-galactosidase) or Lactase | 30 056 |
| **Glucanase** | 200 587 |
| **Glucose oxidase** | 15 |
| **Dextranase** | 679 |
| **Invertase** | 8 680 |
| **Isomerase** (including glucoisomerase, xyloisomerase) | 5 500 |
| **Inulinase** |  |
| **Catalase** | 22 654 |
| **Xylanase** | 368 649 |
| **Lactase** | 13 544 |
| **Lysozyme** | 52 413 |
| **Lipase** | 18 577 |
| Triacylglycerol **lipase** |  |
| Acylglycerol **lipase** |  |
| Lysophospho **lipase** |  |
| **Liposidase, lipoxygenase** |  |
| **Malate Decarboxylase** |  |
| **Melibiase** |  |
| **Pectinase,** incl. Pectinesterase, Pectinliase, Polygalacturonase, Arabanase | 10 111 |
| **Phospholipase (total):\*\*** |  |
| Phospholipase A1 |  |
| Phospholipase A2 | 51 162 |
| Phospholipase C |  |
| Phospholipase D | 0 |
| **Proteases** | 335 136 |
| **Papain** | 25 782 |
| **Pepsin (total):** |  |
| Pepsin | 78 |
| Aspergillopepsin |  |
| Mucorpepsin | 86 |
| Endothiopepsin |  |
| **Pullulanase** | 15 580 |
| **Rennet enzyme** | 6 323 179 |
| **Serine Proteinase** |  |
| **Tannaza** |  |
| **Transglutaminase (TG)** | 1 056 618 |
| **Trypsin** (incl. Chymotrypsin) | 231 |
| **Cellulase (including** hemicellulase) | 34 507 |
| **Chymosin** | 6 830 |
| **Ficin** | 0,03 |
| **Esterase** | 50 |

**Other substances**

|  |  |
| --- | --- |
|  | |
| **Name** | **Demand,**  **kg** |
|
| Gelatin (of various aggregate state, including granules and plates) | 15 055 541 |
| Inulin | 2 478 172 |
| Oligosaccharides | 943 991 |
| Galactooligosaccharides (GOS) | 79 992 |
| Fructooligosaccharides (FOS) | 590 811 |
| Maltodextrin | 15 041 091 |
| Glucose (dextrose) monohydrate | 27 562 586 |
| Allyl Mustard Oil (Allylisothiocyanate) | 2 641 |
| Yeast / Yeast extract |  |
| Yeast | 3 717 725 |
| Yeast Extract | 422 076 |
| Salting mixtures / Nitrite-strip mixtures | 1 023 009 |
| Casein (milk protein) | 6 304 642 |
| Sodium Caseinate | 399 000 |
| Calcium Caseinate |  |
| Milk albumin (alpha-lactalbumin) | 865 136 |
| Egg albumin (ovalbuminum Ovalbumin) | 764 711 |
| Whey Protein Hydrolysates | 1 541 653 |
| Demineralized whey | 5 790 750 |
| Vegetable proteins | 342 100 |
| Pea Protein | 71 080 |
| Pea Protein Isolate | 47 400 |
| Dietary pea fibers | 212 500 |
| Soy protein | 5 736 018 |
| Soy Protein Isolate | 25 455 187 |
| Vitamin mixtures for use in the food industry, vitamin powder premix | 328 338 |
| Mixtures of vitamins and minerals intended for a balanced supplement to nutrition | 717 939 |
| Vitamins A and their derivatives | 21 183 |
| Vitamin B1 and its derivatives | 21 485 |
| Vitamin B2 and its derivatives | 3 871 |
| D- and dl-pantothenic acid (vitamin B3 or vitamin B5), its derivatives | 35 649 |
| Vitamin B6 and its derivatives | 8 236 |
| Vitamin B12 and its derivatives | 15 165 |
| Vitamin C and its derivatives | 840 631 |
| Vitamin E and its derivatives | 209 807 |
| Other vitamins and their derivatives | 283 050 |
| Other vitamins and their derivatives, including natural concentrates |  |
| Vitamin B9 and its derivatives | 37 901 |
| Vitamin H and its derivatives | 138 |
| Other vitamins and their derivatives in pure form |  |
| Separators and lubricants | 2 055 879 |