

## ANNEX IV

### NUTRITIONAL SUBSTANCES

#### 1. VITAMINS

Vitamin A

Retinol

Retinyl acetate

Retinyl palmitate

Beta carotene

Vitamin D

Vitamin D2 (= ergocalciferol)

Vitamin D3 (= cholecalciferol)

Vitamin B1

Thiamin hydrochloride

Thiamin mononitrate

Vitamin B2

Riboflavin

Riboflavin-5'-phosphate, sodium

Niacin

Nicotinamide

Nicotinic acid

Vitamin B6

Pyridoxine hydrochloride

Pyridoxine-5-phosphate

Pyridoxine dipalmitate

Pantothenic Acid

D-pantothenate, calcium

D-pantothenate, sodium

Dexpanthenol

Folate

Folic acid

Vitamin B12

Cyanocobalamin

Hydroxocobalamin

Biotin

D-biotin

Vitamin C

---

*Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.*

---

L-ascorbic acid

Sodium L-ascorbate

Calcium L-ascorbate

6-palmityl-L-ascorbic acid (ascorbyl palmitate)

Potassium ascorbate

Vitamin K

Phylloquinone (Phytomenadione)

Vitamin E

D-alpha tocopherol

DL-alpha tocopherol

D-alpha tocopherol acetate

DL-alpha tocopherol acetate

## 2. AMINO ACIDS

L-arginine L-cystine L-histidine L-isoleucine L-leucine L-lysine L-cysteine	and their hydrochlorides
---	--------------------------

L-methionine

L-phenylalanine

L-threonine

L-tryptophan

L-tyrosine

L-valine

## 3. OTHERS

Choline

Choline chloride

Choline citrate

Choline bitartrate

Inositol

L-carnitine

L-carnitine hydrochloride

#### 4. SALTS OF MINERALS AND TRACE ELEMENTS

##### Calcium

Calcium carbonate

Calcium chloride

Calcium salts of citric acid

Calcium gluconate

Calcium glycerophosphate

Calcium lactate

Calcium oxide

Calcium hydroxide

Calcium salts of orthophosphoric acid

##### Magnesium

Magnesium carbonate

Magnesium chloride

Magnesium salts of citric acid

Magnesium gluconate

Magnesium oxide

Magnesium hydroxide

Magnesium salts of orthophosphoric acid

Magnesium sulphate

Magnesium lactate

Magnesium glycerophosphate

##### Potassium

Potassium chloride

Potassium salts of citric acid

Potassium gluconate

Potassium lactate

Potassium glycerophosphate

##### Iron

Ferrous citrate

Ferric ammonium citrate

Ferrous gluconate

Ferrous lactate

---

*Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.*

---

Ferrous sulphate

Ferrous fumarate

Ferric diphosphate (ferric pyrophosphate)

Elemental iron (carbonyl + electrolytic + hydrogen-reduced)

Ferric saccharate

Sodium ferric diphosphate

Ferrous carbonate

Copper

Copper-lysine complex

Cupric carbonate

Cupric citrate

Cupric gluconate

Cupric sulphate

Zinc

Zinc acetate

Zinc chloride

Zinc citrate

Zinc lactate

Zinc sulphate

Zinc oxide

Zinc gluconate

Manganese

Manganese carbonate

Manganese chloride

Manganese citrate

Manganese gluconate

Manganese sulphate

Manganese glycerophosphate

Iodine

Sodium iodide

Potassium iodide

Potassium iodate

Sodium iodate