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ANNEX

UNION LIST AS REFERRED TO IN ARTICLE 15(1)

Substance		Category of food			
		Infant formula and follow on formula	Processed cereal-based food and baby food	Food for special medical purposes	Total diet replacement for weight control
Vitamins					
	Vitamin A				
	retinol	X	X	X	X
	retinyl acetate	X	X	X	X
	retinyl palmitate	X	X	X	X
	beta-carotene		X	X	X
	Vitamin D				
	ergocalciferol	X	X	X	X
	cholecalciferol	X	X	X	X
	Vitamin E				
	D-alpha tocopherol	X	X	X	X
	DL-alpha tocopherol	X	X	X	X
	D-alpha tocopheryl acetate	X	X	X	X
	DL-alpha tocopheryl acetate	X	X	X	X
D-alpha-tocopheryl acid succinate			X	X	
D-alpha-tocopheryl polyethylene glycol-1000 succinate (TPGS)			X		

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Vitamin K					
	phylloquinone (phytomenadione)	X	X	X	X
	Menaquinone ^a			X	X
Vitamin C					
	L-ascorbic acid	X	X	X	X
	sodium-L-ascorbate	X	X	X	X
	calcium-L-ascorbate	X	X	X	X
	potassium-L-ascorbate	X	X	X	X
	L-ascorbyl 6-palmitate	X	X	X	X
Thiamin					
	thiamin hydrochloride	X	X	X	X
	thiamin mononitrate	X	X	X	X
Riboflavin					
	riboflavin	X	X	X	X
	riboflavin 5'-phosphate, sodium	X	X	X	X
Niacin					
	nicotinic acid	X	X	X	X
	nicotinamide	X	X	X	X
Vitamin B ₆					
	pyridoxine hydrochloride	X	X	X	X
	pyridoxine 5'-phosphate	X	X	X	X
	pyridoxine dipalmitate		X	X	X
Folate					

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	folic acid (pteroylmonoglutamic acid)	X	X	X	X	
	calcium-L-methylfolate			X	X	
Vitamin B ₁₂						
	cyanocobalamin	X	X	X	X	
	hydroxocobalamin	X	X	X	X	
Biotin						
	D-biotin	X	X	X	X	
Pantothenic Acid						
	D-pantothenate, calcium	X	X	X	X	
	D-pantothenate, sodium	X	X	X	X	
	dexpanthenol	X	X	X	X	
Minerals						
	Potassium					
		potassium bicarbonate	X		X	X
		potassium carbonate	X		X	X
		potassium chloride	X	X	X	X
		potassium citrate	X	X	X	X
		potassium gluconate	X	X	X	X
		potassium glycerophosphate		X	X	X
		potassium lactate	X	X	X	X
		potassium hydroxide	X		X	X
potassium salts of orthophosphoric acid	X		X	X		

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	magnesium potassium citrate			X	X
Calcium					
	calcium carbonate	X	X	X	X
	calcium chloride	X	X	X	X
	calcium salts of citric acid	X	X	X	X
	calcium gluconate	X	X	X	X
	calcium glycerophosphate	X	X	X	X
	calcium lactate	X	X	X	X
	calcium salts of orthophosphoric acid	X	X	X	X
	calcium hydroxide	X	X	X	X
	calcium oxide		X	X	X
	calcium sulphate			X	X
	calcium bisglycinate			X	X
	calcium citrate malate			X	X
	calcium malate			X	X
	calcium L- pidolate			X	X
Magnesium					
	magnesium acetate			X	X
	magnesium carbonate	X	X	X	X

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	magnesium chloride	X	X	X	X
	magnesium salts of citric acid	X	X	X	X
	magnesium gluconate	X	X	X	X
	magnesium glycerophosphate		X	X	X
	magnesium salts of orthophosphoric acid	X	X	X	X
	magnesium lactate		X	X	X
	magnesium hydroxide	X	X	X	X
	magnesium oxide	X	X	X	X
	magnesium sulphate	X	X	X	X
	magnesium L-aspartate			X	
	magnesium bisglycinate			X	X
	magnesium L-pidolate			X	X
	magnesium potassium citrate			X	X
Iron					
	ferrous carbonate		X	X	X
	ferrous citrate	X	X	X	X
	ferric ammonium citrate	X	X	X	X
	ferrous gluconate	X	X	X	X
	ferrous fumarate	X	X	X	X

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	ferric sodium diphosphate		X	X	X
	ferrous lactate	X	X	X	X
	ferrous sulphate	X	X	X	X
	ferrous ammonium phosphate			X	X
	ferric sodium EDTA			X	X
	ferric diphosphate (ferric pyrophosphate)	X	X	X	X
	ferric saccharate		X	X	X
	elemental iron (carbonyl + electrolytic + hydrogen reduced)		X	X	X
	ferrous bisglycinate	X		X	X
	ferrous L-pidolate			X	X
Zinc					
	zinc acetate	X	X	X	X
	zinc chloride	X	X	X	X
	zinc citrate	X	X	X	X
	zinc gluconate	X	X	X	X
	zinc lactate	X	X	X	X
	zinc oxide	X	X	X	X
	zinc carbonate			X	X
	zinc sulphate	X	X	X	X

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	zinc bisglycinate			X	X
Copper					
	cupric carbonate	X	X	X	X
	cupric citrate	X	X	X	X
	cupric gluconate	X	X	X	X
	cupric sulphate	X	X	X	X
	copper lysine complex	X	X	X	X
Manganese					
	manganese carbonate	X	X	X	X
	manganese chloride	X	X	X	X
	manganese citrate	X	X	X	X
	manganese gluconate	X	X	X	X
	manganese glycerophosphate		X	X	X
	manganese sulphate	X	X	X	X
Fluoride					
	potassium fluoride			X	X
	sodium fluoride			X	X
Selenium					
	sodium selenate	X		X	X
	sodium hydrogen selenite			X	X
	sodium selenite	X		X	X

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	selenium enriched yeast ^b			X	X
Chromium					
	chromium (III) chloride and its hexahydrate			X	X
	chromium (III) sulphate and its hexahydrate			X	X
	chromium picolinate			X	X
Molybdenum					
	ammonium molybdate			X	X
	sodium molybdate			X	X
Iodine					
	potassium iodide	X	X	X	X
	potassium iodate	X	X	X	X
	sodium iodide	X	X	X	X
	sodium iodate		X	X	X
Sodium					
	sodium bicarbonate	X		X	X
	sodium carbonate	X		X	X
	sodium chloride	X		X	X
	sodium citrate	X		X	X
	sodium gluconate	X		X	X

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	sodium lactate	X		X	X
	sodium hydroxide	X		X	X
	sodium salts of orthophosphoric acid	X		X	X
Boron					
	sodium borate			X	X
	boric acid			X	X
Amino acids ^c					
	L-alanine		—	X	X
	L-arginine	X and its hydrochloride	X and its hydrochloride	X	X
	L-aspartic acid			X	
	L-citrulline			X	
	L-cysteine	X and its hydrochloride	X and its hydrochloride	X	X
	Cystine ^d	X and its hydrochloride	X and its hydrochloride	X	X
	L-histidine	X and its hydrochloride	X and its hydrochloride	X	X
	L-glutamic acid			X	X
	L-glutamine			X	X
	glycine			X	
	L-isoleucine	X and its hydrochloride	X and its hydrochloride	X	X
	L-leucine	X and its hydrochloride	X and its hydrochloride	X	X
L-lysine	X	X	X	X	

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		and its hydrochloride	and its hydrochloride		
	L-lysine acetate			X	X
	L-methionine	X	X	X	X
	L-ornithine			X	X
	L-phenylalanine	X	X	X	X
	L-proline			X	
	L-threonine	X	X	X	X
	L-tryptophan	X	X	X	X
	L-tyrosine	X	X	X	X
	L-valine	X	X	X	X
	L-serine			X	
	L-arginine-L-aspartate			X	
	L-lysine-L-aspartate			X	
	L-lysine-L-glutamate			X	
	N-acetyl-L-cysteine			X	
	N-acetyl-L-methionine			X (in products intended for persons over 1 year of age)	
Carnitine and taurine	L-carnitine	X	X	X	X
	L-carnitine hydrochloride	X	X	X	X
	taurine	X		X	X
	L-carnitine-L-tartrate	X		X	X
Nucleotides					
	adenosine 5'-	X		X	X

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	phosphoric acid (AMP)				
	sodium salts of AMP	X		X	X
	cytidine 5'-monophosphoric acid (CMP)	X		X	X
	sodium salts of CMP	X		X	X
	guanosine 5'-phosphoric acid (GMP)	X		X	X
	sodium salts of GMP	X		X	X
	inosine 5'-phosphoric acid (IMP)	X		X	X
	sodium salts of IMP	X		X	X
	uridine 5'-phosphoric acid (UMP)	X		X	X
	sodium salts of UMP	X		X	X
Choline and inositol					
	choline	X	X	X	X
	choline chloride	X	X	X	X
	choline bitartrate	X	X	X	X
	choline citrate	X	X	X	X
	inositol	X	X	X	X

a Menaquinone occurring principally as menaquinone-7 and, to a minor extent, menaquinone-6.

b Selenium-enriched yeasts produced by culture in the presence of sodium selenite as selenium source and containing, in the dried form as marketed, not more than 2,5 mg Se/g. The predominant organic selenium species present in the yeast is selenomethionine (between 60 and 85 % of total extracted selenium in the product). The content of other organic selenium compounds including selenocysteine must not exceed 10 % of total extracted selenium. Levels of inorganic selenium normally must not exceed 1 % of total extracted selenium.

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- c** For amino acids used in infant formula, follow-on formula, processed cereal-based food and baby food only the hydrochloride specifically mentioned may be used. For amino acids used in food for special medical purposes and in total diet replacement for weight control, as far as applicable, also the sodium, potassium, calcium and magnesium salts as well as their hydrochlorides may be used.
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- d** In the case of use in infant formula, follow-on formula, processed cereal-based food and baby food, only the form L-cystine may be used.
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