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ANNEX I

LIST OF TYPES OF EC FERTILIZERS

A. Inorganic straight primary nutrient fertilizers

A.1. Nitrogenous fertilizers

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
1(a)	Calcium nitrate (nitrate of lime)	Chemically obtained product containing calcium nitrate as its essential ingredient and possibly ammonium nitrate	15 % N Nitrogen expressed as total nitrogen or as nitric and ammoniacal nitrogen. Maximum content of ammoniacal nitrogen: 1,5 % N		Total nitrogen Additional optional particulars: Nitric nitrogen Ammoniacal nitrogen
1(b)	Calcium magnesium nitrate (nitrate of lime and magnesium)	Chemically obtained product containing calcium nitrate and magnesium nitrate as essential ingredients	13 % N Nitrogen expressed as nitric nitrogen. Minimum content of magnesium in the form of water-soluble salts expressed as magnesium oxide: 5 % MgO		Nitric nitrogen Water-soluble magnesium oxide
1(c)	Magnesium nitrate	Chemically obtained product containing as its essential ingredient hexahydrated magnesium nitrate	10 % N Nitrogen expressed as nitric nitrogen 14 % MgO Magnesium expressed as water-soluble magnesium oxide	When marketed in the form of crystals as note 'in crystallised form' may be added	Nitric nitrogen Water-soluble magnesium oxide
2(a)	Sodium nitrate (nitrate of soda)	Chemically obtained product containing sodium nitrate as its essential ingredient	15 % N Nitrogen expressed as nitric nitrogen		Nitric nitrogen
2(b)	Chile nitrate	Product prepared from caliche, containing sodium nitrate as its essential ingredient	15 % N Nitrogen expressed as nitric nitrogen		Nitric nitrogen
3(a)	Calcium cyanamide	Chemically obtained product containing calcium cyanamide as its essential ingredient, calcium oxide and possibly small quantities of ammonium salts and urea	18 % N Nitrogen expressed as total nitrogen, at least 75 % of the nitrogen declared being bound in the form of cyanamide		Total nitrogen
3(b)	Nitrogenous calcium cyanamide	Chemically obtained product containing calcium cyanamide as its essential ingredient, and calcium oxide and possibly small quantities of ammonium salts and urea, plus added nitrate	18 % N Nitrogen expressed as total nitrogen, at least 75 % of the non-nitric nitrogen declared being bound in the form of cyanamide. Nitric nitrogen content: - minimum: 1 % N - maximum: 3 % N		Total nitrogen Nitric nitrogen
4	Sulphate of ammonia	Chemically obtained product containing ammonium sulphate as its essential ingredient	20 % N Nitrogen expressed as ammoniacal nitrogen		Ammoniacal nitrogen

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No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
5	Ammonium nitrate or calcium ammonium nitrate	Chemically obtained product containing ammonium nitrate as its essential ingredient, which may contain fillers such as ground limestone, calcium sulphate, ground dolomite, magnesium sulphate, kieserite	20 % N Nitrogen expressed as nitric nitrogen and ammoniacal nitrogen, each of these two forms of nitrogen accounting for about half the nitrogen present. See Annexes III.1 and III.2 of this regulation, if required.	The designation 'calcium ammonium nitrate' is exclusively reserved for a fertilizer containing only calcium carbonate (for instance limestone) and/or magnesium carbonate and calcium carbonate (for instance dolomite) in addition to ammonium nitrate. The minimum content of these carbonates must be 20 % and their purity level at least 90 %	Total nitrogen Nitric nitrogen Ammoniacal nitrogen
6	Ammonium sulphate-nitrate	Chemically obtained product containing as essential ingredients ammonium nitrate and ammonium sulphate	25 % N Nitrogen expressed as ammoniacal and nitric nitrogen. Minimum nitric nitrogen content: 5 %		Total nitrogen Ammoniacal nitrogen Nitric nitrogen
7	Magnesium sulphonitrate	Chemically obtained product containing ammonium nitrate, ammonium sulphate and magnesium sulphate as essential ingredients	19 % N Nitrogen expressed as ammoniacal and nitric nitrogen. Minimum nitric nitrogen content: 6 % N 5 % MgO Magnesium in the form of water-soluble salts expressed as magnesium oxide		Total nitrogen Ammoniacal nitrogen Nitric nitrogen Water-soluble magnesium oxide
8	Magnesium ammonium nitrate	Chemically obtained product containing ammonium nitrates and magnesium compound salts (dolomite magnesium carbonate and/or magnesium sulphate) as essential ingredients	19 % N Nitrogen expressed as ammoniacal nitrogen and nitric nitrogen. Minimum nitric nitrogen content 6 % N 5 % MgO Magnesium expressed as total magnesium oxide		Total nitrogen Ammoniacal nitrogen Nitric nitrogen Total magnesium oxide and possibly, water-soluble magnesium oxide
9	Urea	Chemically obtained product containing carbonyl diamide (carbamide) as its essential ingredient	44 % N Total ureic nitrogen (including biuret). Maximum biuret content: 1,2 %		Total nitrogen, expressed as ureic nitrogen
10	Crotonylidene diurea	Product obtained by reaction of urea with crotonaldehyde Monomeric compound	28 % N Nitrogen expressed as total nitrogen At least 25 % N from the crotonylidene diurea Maximum ureic nitrogen content: 3 %		Total nitrogen Ureic nitrogen where this is at least 1 % by weight Nitrogen from crotonylidene diurea

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
11	Isobutylidene diurea	Product obtained by reaction of urea with isobutyraldehyde Monomeric compound	28 % N Nitrogen expressed as total nitrogen At least 25 % N from isobutylidene diurea Maximum ureic nitrogen content: 3 %		Total nitrogen Ureic nitrogen where this is at least 1 % by weight Nitrogen from isobutylidene diurea
12	Urea formaldehyde	Product obtained by reaction of urea with formaldehyde and containing as its essential ingredients molecules of urea formaldehyde Polymeric compound	36 % N total nitrogen Nitrogen expressed as total nitrogen At least 3/5 of the declared total nitrogen content must be soluble in hot water At least 31 % N from urea formaldehyde Maximum ureic nitrogen content: 5 %		Total nitrogen Ureic nitrogen where this is at least 1 % by weight Nitrogen from formaldehyde urea that is soluble in cold water Nitrogen from formaldehyde urea that is only soluble in hot water
13	Nitrogenous fertilizer containing crotonylidene diurea	Product obtained chemically containing crotonylidene diurea and a straight nitrogen fertilizer [List A-1, excluding products 3(a), 3(b) and 5]	18 % N expressed as total nitrogen At least 3 % nitrogen in ammoniacal and/or nitric and/or ureic form At least 1/3 of the declared total nitrogen content must be derived from crotonylidene diurea Maximum biuret content: (ureic N + crotonylidene diurea N) × 0,026		Total nitrogen For each form amounting to at least 1 %: nitric nitrogen ammoniacal nitrogen ureic nitrogen Nitrogen from crotonylidene diurea
14	Nitrogenous fertilizer containing isobutylidene diurea	Product obtained chemically containing isobutylidene diurea and a straight nitrogenous fertilizer [List A-1, excluding products 3(a), 3(b) and 5]	18 % N expressed as total nitrogen At least 3 % nitrogen in ammoniacal and/or nitric and/or ureic form At least 1/3 of the declared total nitrogen content must derive from isobutylidene diurea Maximum biuret content: (Ureic N + isobutylidene diurea N) × 0,026		Total nitrogen For each form amounting to at least 1 %: nitric nitrogen ammoniacal nitrogen ureic nitrogen Nitrogen from isobutylidene diurea
15	Nitrogenous fertilizer containing urea formaldehyde	Product obtained chemically containing urea formaldehyde and a straight nitrogenous fertilizer [List A-1, excluding products 3(a), 3(b) and 5]	18 % N expressed as total nitrogen At least 3 % nitrogen in ammoniacal and/or nitric and/or ureic form At least 1/3 of the declared total nitrogen content must derive from urea formaldehyde The nitrogen from the urea formaldehyde must contain at least 3/5 nitrogen that is soluble in hot water Maximum biuret content: (Ureic N + urea formaldehyde) × 0,026		Total nitrogen For each form amounting to at least 1 %: nitric nitrogen ammoniacal nitrogen ureic nitrogen Nitrogen from urea formaldehyde Nitrogen from urea formaldehyde that is soluble in cold water Nitrogen from urea formaldehyde that is only soluble in hot water

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No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
16	Ammonium sulphate with nitrification inhibitor (dicyandiamide)	Chemically obtained product containing ammonium sulphate and dicyandiamide	20 % N Nitrogen expressed as total nitrogen Minimum ammoniacal nitrogen content: 18 % Minimum content of nitrogen from dicyandiamide: 1,5 %		Total nitrogen Ammoniacal nitrogen Nitrogen from dicyandiamide Technical information [a]
17	Ammonium sulphonitrate with nitrification inhibitor (dicyandiamide)	Chemically obtained product containing ammonium sulphonitrate and dicyandiamide	24 % N Nitrogen expressed as total nitrogen Minimum nitric nitrogen content: 3 % Minimum content of nitrogen from dicyandiamide: 1,5 %		Total nitrogen Nitric nitrogen Ammoniacal nitrogen Nitrogen from dicyandiamide Technical information [a]
18	Urea — ammonium sulphate	Product obtained chemically from urea and ammonium sulphate	30 % N Nitrogen expressed as ammoniacal and ureic nitrogen Minimum ammoniacal nitrogen content: 4 % Minimum sulphur content expressed as sulphur trioxide: 12 % Maximum biuret content: 0,9 %		Total nitrogen Ammoniacal nitrogen Ureic nitrogen Water-soluble sulphur trioxide

[a] Technical information as complete as possible must be provided with each package or bulk consignment by the person responsible for marketing. This information must in particular enable the user to determine the rates and timing of application in relation to the crop being grown.

A.2. Phosphatic fertilizers

Where a particle size criterion is prescribed for the basic constituent materials of fertilizers sold in granular form (fertilizers 1, 3, 4, 5, 6 and 7), it will be established by an appropriate analytical method.

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
1	Basic slag: - Thomas phosphates - Thomas slag	Product obtained in iron-smelting by treatment of the phosphorus melts and containing calcium silicophosphates as its essential ingredients	12 % P_2O_5 Phosphorus expressed as phosphorus pentoxide soluble in mineral acids, at least 75 % of the declared content of phosphorus pentoxide being soluble in 2 % citric acid, or 10 % P_2O_5 Phosphorus expressed as phosphorus pentoxide soluble in 2 % citric acid Particle size: - at least 75 % able to pass through a sieve with a mesh of 0,160 mm - at least 96 % able to pass through a sieve with a mesh of 0,630 mm		Total phosphorus pentoxide (soluble in mineral acids) 75 % of which (to be indicated as percentage by weight) is soluble in 2 % citric acid (for marketing in France, Italy, Spain, Portugal and Greece) Total phosphorus pentoxide (soluble in mineral acids) and phosphorus pentoxide soluble in 2 % citric acid (for marketing in the United Kingdom) Phosphorus pentoxide soluble in 2 % citric acid (for marketing in Germany, Belgium, Denmark, Ireland, Luxembourg, the Netherlands and Austria)

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No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
2(a)	Single superphosphate	Product obtained by reaction of ground mineral phosphate with sulphuric acid and containing monocalcium phosphate as an essential ingredient as well as calcium sulphate	16 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in neutral ammonium citrate, at least 93 % of the declared content of P_2O_5 being water-soluble Test sample: 1 g		Phosphorus pentoxide soluble in neutral ammonium citrate Water-soluble phosphorus pentoxide
2(b)	Concentrated superphosphate	Product obtained by reaction of ground mineral phosphate with sulphuric acid and phosphoric acid and containing monocalcium phosphate as an essential ingredient as well as calcium sulphate	25 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in neutral ammonium citrate, at least 93 % of the declared content of P_2O_5 being water-soluble Test sample: 1 g		Phosphorus pentoxide soluble in neutral ammonium citrate Water-soluble phosphorus pentoxide
2(c)	Triple superphosphate	Product obtained by reaction of ground mineral phosphate with phosphoric acid and containing monocalcium phosphate as its essential ingredient	38 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in neutral ammonium citrate, at least 93 % of the declared content of P_2O_5 being water-soluble Test sample: 3 g		Phosphorus pentoxide soluble in neutral ammonium citrate Water-soluble phosphorus pentoxide
3	Partially solubilised rock phosphate	Product obtained by partial solubilisation of ground rock phosphate with sulphuric acid or phosphoric acid and containing as essential ingredients monocalcium phosphate, tricalcium phosphate and calcium sulphate	20 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in mineral acids, at least 40 % of the declared content of P_2O_5 being water-soluble Particle size: - at least 90 % able to pass through a sieve with a mesh of 0,160 mm - at least 98 % able to pass through a sieve with a mesh of 0,630 mm		Total phosphorus pentoxide (soluble in mineral acids) Phosphorus pentoxide soluble in water
4	Dicalcium phosphate	Product obtained by precipitation of solubilised phosphoric acid from mineral phosphates or bones, and containing dicalcium phosphate dihydrate as its essential ingredient	38 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in alkaline ammonium citrate (Petermann) Particle size: - at least 90 % able to pass through a sieve with a mesh of 0,160 mm - at least 98 % able to pass through a sieve with a mesh of 0,630 mm		Phosphorus pentoxide soluble in alkaline ammonium citrate

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No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
5	Calcined phosphate	Product obtained by heat treatment of ground rock phosphate with alkaline compounds and silicic acid, and containing alkaline calcium phosphate and calcium silicate as essential ingredients	25 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in alkaline ammonium citrate (Petermann) Particle size: - at least 75 % able to pass through a sieve with a mesh of 0,160 mm - at least 96 % able to pass through a sieve with a mesh of 0,630 mm		Phosphorus pentoxide soluble in alkaline ammonium citrate
6	Aluminium-calcium phosphate	Product obtained in amorphous form by heat treatment and grinding, containing aluminium and calcium phosphates as essential ingredients	30 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in mineral acids, at least 75 % of the declared content of P_2O_5 being soluble in alkaline ammonium citrate (Joulie) Particle size: - at least 90 % able to pass through a sieve with a mesh of 0,160 mm - at least 98 % able to pass through a sieve with a mesh of 0,630 mm		Total phosphorus pentoxide (soluble in mineral acids) Phosphorus pentoxide soluble in alkaline ammonium citrate
7	Soft ground rock phosphate	Product obtained by grinding soft mineral phosphates and containing tricalcium phosphate and calcium carbonate as essential ingredients	25 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in mineral acids, at least 55 % of the declared content of P_2O_5 being soluble in 2 % formic acid Particle size: - at least 90 % able to pass through a sieve with a mesh of 0,063 mm - at least 99 % able to pass through a sieve with a mesh of 0,125 mm		Total phosphorus pentoxide (soluble in mineral acids) Phosphorus pentoxide soluble in 2 % formic acid Percentage by weight of material able to pass through a sieve with a mesh of 0,063 mm

A.3. Potassic fertilizers

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
1	Kainit	Product obtained from crude potassium salts	10 % K_2O Potassium expressed as water-soluble K_2O 5 % MgO Magnesium in the form of water-soluble salts, expressed as magnesium oxide	Usual trade names may be added	Water-soluble potassium oxide Water-soluble magnesium oxide

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
2	Enriched kainit salt	Product obtained from crude potassium salts enriched by blending with potassium chloride	18 % K_2O Potassium expressed as water-soluble K_2O	Usual trade names may be added	Water-soluble potassium oxide Optional mention of the water-soluble magnesium oxide content where higher than 5 % MgO
3	Muriate of potash	Product obtained from crude potassium salts and containing potassium chloride as its essential ingredient	37 % K_2O Potassium expressed as water-soluble K_2O	Usual trade names may be added	Water-soluble potassium oxide
4	Potassium chloride containing magnesium salts	Product obtained from crude potassium salts with added magnesium salts and containing potassium chloride and magnesium salts as essential ingredients	37 % K_2O Potassium expressed as water-soluble K_2O 5 % MgO Magnesium in the form of water-soluble salts, expressed as magnesium oxide		Water-soluble potassium oxide Water-soluble magnesium oxide
5	Sulphate of potash	Product obtained chemically from potassium salts and containing potassium sulphate as its essential ingredient	47 % K_2O Potassium expressed as water-soluble K_2O. Maximum chloride content: 3 % Cl		Water-soluble potassium oxide Optional mention of the chloride content
6	Sulphate of potash containing magnesium salt	Product obtained chemically from potassium salts, possibly with addition of magnesium salts, and containing potassium sulphate and magnesium sulphate as essential ingredients	22 % K_2O Potassium expressed as water-soluble K_2O 8 % MgO Magnesium in the form of water-soluble salts, expressed as magnesium oxide. Maximum chloride content: 3 % Cl	Usual trade names may be added	Water-soluble potassium oxide Water-soluble magnesium oxide Optional mention of the chloride content
7	Kieserite with potassium sulphate	Product obtained from Kieserite with potassium sulphate added	8 % MgO Magnesium expressed as water-soluble MgO 6 % K_2O Potassium expressed as water-soluble K_2O Total MgO + K_2O: 20 % Maximum chloride content: 3 % Cl	Usual trade names may be added	Water-soluble magnesium oxide Water-soluble potassium oxide Optional mention of the chloride content

B. Inorganic compound primary nutrient fertilizers

B.1. NPK fertilizers

B.1.1.	Type designation:	NPK fertilizers.
	Data on method of production:	Product obtained chemically or by blending, without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight):	- Total: 20 % (N + P_2O_5 + K_2O); - For each of the nutrients: 3 % N, 5 % P_2O_5, 5 % K_2O.

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Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Cyanamide nitrogen	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and in water (4) P_2O_5 soluble in mineral acids only (5) P_2O_5 soluble in alkaline ammonium citrate (Petermann) (6a) P_2O_5 soluble in mineral acids, of which at least 75 % of the declared P_2O_5 content is soluble in 2 % citric acid	Water soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (5) amounts to at least 1 % by weight, it must be declared (3) If above 28 %, see Annex III.2	1. An NPK fertilizer free from Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilised rock phosphate and soft ground rock phosphate must be declared in accordance with solubilities (1), (2) or (3): - when the water-soluble P_2O_5 does not amount to 2 %, solubility (2) only shall be declared; - when the water-soluble P_2O_5 is at least 2 %, solubility (3) shall be declared, and the water-soluble P_2O_5 content must be indicated [solubility (1)]. The P_2O_5 content soluble in mineral acids only must not exceed 2 %. For this type 1, the test sample for determining solubilities (2) and (3) shall be 1 g.	1. Water-soluble potassium oxide 2. The indication 'low in chloride' is linked to a maximum content of 2 % Cl 3. Chloride content may be declared
	(6b) P_2O_5 soluble in 2 % citric acid (7) P_2O_5 soluble in mineral acids, of which at least 75 % of the declared P_2O_5 content is soluble in alkaline ammonium citrate (Joulie) (8) P_2O_5 soluble in mineral acids, of which at least 55 % of the declared P_2O_5 content is soluble in 2 % formic acid			2(a) An NPK fertilizer containing soft ground rock phosphate or partially solubilised rock phosphate must be free from Thomas slag, calcined phosphate and aluminium-calcium phosphate. It shall be declared in accordance with solubilities (1), (3) and (4) This type of fertilizer must contain: - at least 2 % P_2O_5 soluble in mineral acids only [solubility (4)]; - at least 5 % P_2O_5 soluble in water and neutral ammonium citrate [solubility (3)]; - at least 2.5 % water-soluble P_2O_5 [solubility (1)]. This type of fertilizer must be marketed under the designation 'NPK fertilizer containing soft ground rock phosphate' or 'NPK fertilizer containing partially solubilised rock phosphate'. For this type 2(a), the test sample for determining solubility (3) shall be 3 g.	

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
				2(b) An NPK fertilizer containing aluminium-calcium phosphate must be free from Thomas slag, calcined phosphate, soft ground rock phosphate and partially solubilised rock phosphate. It shall be declared in accordance with solubilities (1) and (7), the latter applying after deduction of the solubility in water. This type of fertilizer must contain: - at least 2 % of water-soluble P_2O_5 [solubility (1)]; - at least 5 % of P_2O_5 according to solubility (7). This type of fertilizer must be marketed under the designation 'NPK fertilizer containing aluminium-calcium phosphate'.	
Particle size of the basic phosphatic ingredients					
Thomas slag:		at least 75 % able to pass through a sieve with a mesh of 0,160 mm			
Aluminium-calcium phosphate:		at least 90 % able to pass through a sieve with a mesh of 0,160 mm			
Calcined phosphate:		at least 75 % able to pass through a sieve with a mesh of 0,160 mm			
Soft ground rock phosphate:		at least 90 % able to pass through a sieve with a mesh of 0,063 mm			
Partially solubilised rock phosphate:		at least 90 % able to pass through a sieve with a mesh of 0,160 mm			
				3. In the case of NPK fertilizers containing only one of the following types of phosphatic fertilizer: Thomas slag, calcined phosphate, aluminium-calcium phosphate, soft ground rock phosphate, the type designation must be followed by an indication of the phosphate ingredient. The declaration of the solubility of the P_2O_5 must be given in accordance with the following solubilities: - for fertilizers based on Thomas slag: solubility (6a) (France, Italy, Spain, Portugal, Greece), (6b) (Germany, Belgium, Denmark, Ireland, Luxembourg, Netherlands, United-Kingdom and Austria);	

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Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
				- for fertilizers based on calcined phosphate: solubility (5); - for fertilizers based on aluminium-calcium phosphate: solubility (7); - for fertilizers based on soft ground rock phosphate: solubility (8).	

B.1. NPK fertilizer (continued)

B.1.2.	Type designation:	NPK fertilizer containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde (as appropriate).
	Data on method of production:	Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde.

	Minimum content of nutrients (percentage by weight):	- Total: 20 % ($N + P_2O_5 + K_2O$);
		- For each of the nutrients:
		  - 5 % N. At least 1/4 of the declared content of total nitrogen must derive from nitrogen form (5) or (6) or (7). At least 3/5 of the declared nitrogen content (7) must be soluble in hot water,
		  - 5 % P_2O_5,
		  - 5 % K_2O.

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Nitrogen from crotonylidene diurea (6) Nitrogen from isobutylidene diurea (7) Nitrogen from urea formaldehyde (8) Nitrogen from urea formaldehyde that is only soluble in hot water (9) Nitrogen from urea formaldehyde that is soluble in cold water	Water-soluble P_2O_5 P_2O_5 soluble in neutral ammonium citrate P_2O_5 soluble in neutral ammonium citrate and in water	Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to at least 1 % by weight, it must be declared (3) One of the forms of nitrogen (5) to (7) (as appropriate). Nitrogen form (7) must be declared in the form of nitrogen (8) and (9)	An NPK fertilizer free from Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilised rock phosphate and rock phosphate must be declared in accordance with solubilities (1), (2) or (3): - when the water-soluble P_2O_5 does not amount to 2 %, solubility (2) only shall be declared, - when the water-soluble P_2O_5 is at least 2 %, solubility (3) shall be declared, and the water-soluble P_2O_5 content must be indicated [solubility (1)]. The P_2O_5 content soluble in mineral acids only must not exceed 2 %. The test sample for determining solubilities (2) and (3) shall be 1 g.	Water-soluble potassium oxide The indication 'low in chloride' is linked to a maximum content of 2 % Cl Chloride content may be declared.

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B.2. NP fertilizers

B.2.1.	Type designation:	NP fertilizers.
	Data on method of production:	Product obtained chemically or by blending without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight):	- Total: 18 % ($N + P_2O_5$); - For each of the nutrients: 3 % N, 5 % P_2O_5.

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Cyanamide nitrogen	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and in water (4) P_2O_5 soluble in mineral acids only (5) P_2O_5 soluble in alkaline ammonium citrate (Petermann) (6a) P_2O_5 soluble in mineral acids, of which at least 75 % of the declared P_2O_5 content is soluble in 2 % citric acid		(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (5) amounts to at least 1 % by weight, it must be declared	1. An NP fertilizer free from Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilised rock phosphate and soft ground rock phosphate must be declared in accordance with solubilities (1), (2) or (3): - when the water-soluble P_2O_5 does not amount to 2 %, solubility (2) only shall be declared; - when the water-soluble P_2O_5 is at least 2 %, solubility (3) shall be declared, and the water-soluble P_2O_5 content must be indicated [solubility (1)]. The P_2O_5 content soluble in mineral acids only must not exceed 2 %. For this type 1, the test sample for determining solubilities (2) and (3) shall be 1 g.	
	(6b) P_2O_5 soluble in 2 % citric acid (7) P_2O_5 soluble in mineral acids of which at least 75 % of the declared P_2O_5 content is soluble in alkaline ammonium citrate (Joulie) (8) P_2O_5 soluble in mineral acids of which at least 55 % of the declared P_2O_5 content is soluble in 2 % formic acid			2(a) A NP fertilizer containing soft ground rock phosphate or partially solubilised rock phosphate must be free from Thomas slag, calcined phosphate and aluminium-calcium phosphate. It shall be declared in accordance with solubilities (1), (3) and (4). This type of fertilizer must contain: - at least 2 % P_2O_5 soluble in mineral acids only [solubility (4)]; - at least 5 % P_2O_5 soluble in water and neutral ammonium citrate [solubility (3];	

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Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
				- at least 2,5 % water soluble P_2O_5 [solubility (1)]. This type of fertilizer must be marketed under the designation 'NP fertilizer containing soft ground rock phosphate' or 'NP fertilizer containing partially solubilised rock phosphate'. For this type 2(a), the test sample for determining solubility (3) shall be 3 g.	
				2(b) A NP fertilizer containing aluminium-calcium phosphate, must be free from Thomas slag, calcined phosphate, soft ground rock phosphate and partially solubilised rock phosphate. It shall be declared in accordance with solubilities (1) and (7), the latter applying after deduction of the solubility in water. This type of fertilizer must contain: - at least 2 % water-soluble P_2O_5 [solubility (1)]; - at least 5 % P_2O_5 according to solubility (7). This type of fertilizer must be marketed under the designation 'NP fertilizer containing aluminium-calcium phosph*ate*'.	
Particle size of the basic phosphatic ingredients:					
Thomas slag:		at least 75 % able to pass through a sieve with a mesh of 0,160 mm			
Aluminium-calcium phosphate		at least 90 % able to pass through a sieve with a mesh of 0,160 mm			
Calcined phosphate		at least 75 % able to pass through a sieve with a mesh of 0,160 mm			
Soft ground rock phosphate		at least 90 % able to pass through a sieve with a mesh of 0,063 mm			
Partially solubilised rock phosphate		at least 90 % able to passthrough a sieve with a mesh of 0.160 mm			
				3. In the case of NP fertilizers containing only one of the following types of phosphatic fertilizer: Thomas slag, calcined phosphate, aluminium-calcium phosphate, soft ground rock phosphate, the type designation must be followed by an indication of the phosphate ingredient.	

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
				The declaration of the solubility of the P_2O_5 must be given in accordance with the following solubilities: - for fertilizers based on Thomas slag: solubility (6a) (France, Italy, Spain, Portugal, Greece), (6b) (Germany, Belgium, Denmark, Ireland, Luxembourg, Netherlands, United Kingdom and Austria); - for fertilizers based on calcined phosphate: solubility (5); - for fertilizers based on aluminium-calcium phosphate: solubility (7); - for fertilizers based on soft ground rock phosphate: solubility (8).	

B.2. NP fertilizers (continued)

B.2.2.	Type designation:	NP fertilizer containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde (as appropriate)
	Data on method of production:	Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde
	Minimum content of nutrients (percentage by weight):	- Total: 18 % ($N + P_2O_5$); - For each of the nutrients: - 5 % N. - At least 1/4 of the declared content of total nitrogen must derive from nitrogen form (5) or (6) or (7). At least 3/5 of the declared nitrogen content (7) must be soluble in hot water, - 5 % P_2O_5,

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Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Nitrogen from crotonylidene diurea (6) Nitrogen from isobutylidene diurea (7) Nitrogen from urea formaldehyde (8) Nitrogen from urea formaldehyde that is only soluble in hot water (9) Nitrogen from urea formaldehyde that is soluble in cold water	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and in water		(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to at least 1 % by weight, it must be declared (3) One of the forms of nitrogen (5) to (7) (as appropriate). Nitrogen form (7) must be declared in the form of nitrogen (8) and (9)	An NP fertilizer free of Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilised rock phosphate and rock phosphate must be declared in accordance with solubilities (1), (2) or (3): - when the water-soluble P_2O_5 does not amount to 2 %, solubility (2) only shall be declared; - when the water-soluble P_2O_5 is at least 2 %, solubility (3) shall be declared, and the water-soluble P_2O_5 content must be indicated [solubility (1)]. The P_2O_5 content soluble in mineral acids only must not exceed 2 %. The test sample for determining solubilities (2) and (3) shall be 1 g.	

B.3. NK fertilizers

B.3.1.	Type designation:	NK fertilizers.
	Data on method of production:	Product obtained chemically or by blending, without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight):	- Total: 8 % (N + K_2O); - For each of the nutrients: 3 % N, 5 % K_2O.

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Cyanamide nitrogen		Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (5) amounts to at least 1 % by weight, it must be declared		(1) Water-soluble potassium oxide (2) The indication 'low in chloride' is linked to a maximum content of 2 % Cl (3) Chloride content may be declared

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B.3. NK fertilizers (continued)

B.3.2.	Type designation:	NK fertilizer containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde (as appropriate).
	Data on method of production:	Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde.
	Minimum content of nutrients (percentage by weight):	- Total: 18 % ($N + K_2O$); - For each of the nutrients: - 5 % N At least 1/4 of the declared content of total nitrogen must derive from nitrogen form (5) or (6) or (7). At least 3/5 of the declared nitrogen content (7) must be soluble in hot water, - 5 % K_2O.

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Nitrogen from crotonylidene diurea (6) Nitrogen from isobutylidene diurea (7) Nitrogen from urea formaldehyde (8) Nitrogen from urea formaldehyde that is only soluble in hot water (9) Nitrogen from urea formaldehyde that is soluble in cold water		Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to at least 1 % by weight, it must be declared One of the forms of nitrogen (5) to (7) (as appropriate). (3) Nitrogen form (7) must be declared in the form of nitrogen (8) and (9)		(1) Water-soluble potassium oxide (2) The indication 'low in chloride' is linked to a maximum content of 2 % Cl. (3) Chloride content may be declared.

B.4. PK fertilizers

Type designation:	PK fertilizers.
Data on method of production:	Product obtained chemically or by blending, without addition of organic nutrients of animal or vegetable origin.
Minimum content of nutrients (percentage by weight):	- Total: 18 % ($P_2O_5 + K_2O$); - For each of the nutrients: 5 % P_2O_5, 5 % K_2O.

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Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and in water (4) P_2O_5 soluble in mineral acids only (5) P_2O_5 soluble in alkaline ammonium citrate (Petermann) (6a) P_2O_5 soluble in mineral acids, of which at least 75 % of the declared P_2O_5 content is soluble in 2 % citric acid	Water soluble K_2O		1. A PK fertilizer free from Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilised rock phosphate and soft ground rock phosphate must be declared in accordance with solubilities (1), (2) or (3): - when the water-soluble P_2O_5 does not amount to 2 % solubility (2) only shall be declared; - when the water-soluble P_2O_5 is at least 2 % solubility (3) shall be declared and the water-soluble P_2O_5 content must be indicated [solubility (1)]. The P_2O_5 content soluble in mineral acids only must not exceed 2 %. For this type 1, the test sample for determining solubilities (2) and (3) shall be 1 g.	(1) Water-soluble potassium oxide (2) The indication 'low in chloride' is linked to a maximum content of 2 % Cl (3) Chloride content may be declared
	(6b) P_2O_5 soluble in 2 % citric acid (7) P_2O_5 soluble in mineral acids of which at least 75 % of the declared P_2O_5 content is soluble in alkaline ammonium citrate (Joulie) (8) P_2O_5 soluble in mineral acids, of which at least 55 % of the declared P_2O_5 content is soluble in 2 % formic acid			2(a) A PK fertilizer containing soft ground rock phosphate or partially solubilised rock phosphate must be free from Thomas slag, calcined phosphate and aluminium-calcium phosphate. It shall be declared in accordance with solubilities (1), (3) and (4) This type of fertilizer must contain: - at least 2 % P_2O_5 soluble in mineral acids only [solubility (4)]; - at least 5 % P_2O_5 soluble in water and neutral ammonium citrate [solubility (3)]; - at least 2,5 % water-soluble P_2O_5 [solubility (1)]. This type of fertilizer must be marketed under the designation 'PK fertilizer containing soft ground rock phosphate' or 'PK fertilizer containing partially solubilised rock phosphate'. For this type 2(a), the test sample for determining solubility (3) shall be 3 g.	

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
				2(b) A PK fertilizer containing aluminium-calcium phosphate must be free from Thomas slag, calcined phosphate and partially solubilised rock phosphate. It shall be declared in accordance with solubilities (1) and (7), the latter applying after deduction of the solubility in water. This type of fertilizer must contain: - at least 2 % water-soluble P_2O_5 [solubility (1)]; - at least 5 % P_2O_5 according to solubility (7). This type of fertilizer must be marketed under the designation 'PK fertilizer containing aluminium-calcium phosphate'.	
Particle size of the basic phosphatic ingredients					
Thomas slag:		at least 75 % able to pass through a sieve with a mesh of 0,160 mm			
Aluminium-calcium phosphate		at least 90 % able to pass through a sieve with a mesh of 0,160 mm			
Calcined phosphate		at least 75 % able to pass through a sieve with a mesh of 0,160 mm			
Soft ground rock phosphate		at least 90 % able to passthrough a sieve with a mesh of 0,063 mm			
Partially solubilised rock phosphate		at least 90 % able to passthrough a sieve with a mesh of 0,160 mm			
				3. In the case of PK fertilizers containing only one of the following types of phosphatic fertilizer: Thomas slag, calcined phosphate, aluminium-calcium phosphate, soft ground rock phosphate, the type designation must be followed by an indication of the phosphate ingredient. The declaration of the solubility of the P_2O_5 must be given in accordance with the following solubilities: - for fertilizers based on Thomas slag: solubility (6a) (France, Italy, Spain, Portugal, Greece), (6b) (Germany, Belgium, Denmark, Ireland, Luxembourg, Netherlands, United Kingdom and Austria);	

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Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
				- for fertilizers based on calcined phosphate: solubility (5); - for fertilizers based on aluminium-calcium phosphate: solubility (7); - for fertilizers based on soft ground rock phosphate: solubility (8).	

C. Inorganic fluid fertilizers

C.1. Straight fluid fertilizers

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) data on the expression of nutrients; other requirements	Other data or type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
1.	Nitrogen fertilizer solution	Product obtained chemically and by dissolution in water, in a form stable at atmospheric pressure, without addition of organic nutrients of animal or vegetable origin	15 % N Nitrogen expressed as total nitrogen or, if there is only one form, nitric nitrogen or ammoniacal nitrogen or ureic nitrogen Maximum biuret content: ureic N × 0,026		Total nitrogen and, for any form that amounts to not less than 1 %, nitric nitrogen, ammoniacal nitrogen and/or ureic nitrogen If the biuret content is less than 0,2 %, the words 'low in biuret' may be added
2.	Urea Ammonium nitrate fertilizer solution	Product obtained chemically and by dissolution in water, containing ammonium nitrate and urea	26 % N Nitrogen expressed as total nitrogen, where the ureic nitrogen accounts for about half of the nitrogen present Maximum biuret content: 0,5 %		Total nitrogen Nitric nitrogen, ammoniacal nitrogen and ureic nitrogen If the biuret content is less than 0,2 %, the words 'low in biuret' may be added
3.	Calcium nitrate solution	Product obtained by dissolving calcium nitrate in water	8 % N Nitrogen expressed as nitrogen in nitric form with a maximum 1 % nitrogen as ammonia Calcium expressed as water soluble CaO	The type designation may be followed, as appropriate, by one of the following indications: - for foliar application; - for making nutrient solutions; - for ferti-irrigation.	Total nitrogen Water soluble calcium oxide for the uses stipulated in column 5 Optionally: - nitrogen in nitric form; - nitrogen as ammonia.
4.	Magnesium nitrate solution	Product obtained chemically and by dissolving magnesium nitrate in water	6 % N Nitrogen expressed as nitric nitrogen 9 % MgO Magnesium expressed as water-soluble magnesium oxide Minimum pH: 4		Nitric nitrogen Water-soluble magnesium oxide

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) data on the expression of nutrients; other requirements	Other data or type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
5.	Calcium nitrate suspension	Product obtained by suspension of calcium nitrate in water	8 %N Nitrogen expressed as total nitrogen or nitric and ammoniacal nitrogen maximum content of ammoniacal nitrogen: 1,0 % 14 % CaO Calcium expressed as water soluble CaO	The type designation may be followed by one of the following indications: - for foliar application; - for making nutrient solutions and suspensions; - for fertigation.	Total nitrogen Nitric nitrogen Water soluble calcium oxide for the uses stipulated in column 5
6.	Nitrogen fertilizer solution with urea formaldehyde	Product obtained chemically or by dissolution in water of urea formaldehyde and a nitrogenous fertilizer from list A-1 in this regulation, excluding products 3(a), 3(b), and 5	18 % N expressed as total nitrogen At least 1/3 of the declared total nitrogen content must derive from urea formaldehyde Maximum biuret content: (ureic N + urea formaldehyde N) × 0,026		Total nitrogen For each form amounting to at least 1 %: - Nitric nitrogen; - Ammonical nitrogen; - Ureic nitrogen. Nitrogen from urea formaldehyde
7.	Nitrogen fertilizer suspension with urea formaldehyde	Product obtained chemically or by suspension in water of urea formaldehyde and a nitrogenous fertilizer from list A-1 in this regulation, excluding products 3(a), 3(b), and 5	18 % N expressed as total nitrogen At least 1/3 of the declared total nitrogen content must derive from urea formaldehyde of which at least three fifths has to be soluble in hot water Maximum biuret content: (ureic N + urea formaldehyde N) × 0,026		Total nitrogen For each form amounting to at least 1 %: - Nitric nitrogen; - Ammonical nitrogen; - Ureic nitrogen. Nitrogen from urea formaldehyde Nitrogen from urea formaldehyde that is soluble in cold water Nitrogen from urea formaldehyde that is only soluble in hot water

C.2. Compound fluid fertilizers

C.2.1.	Type designation:	NPK-fertilizer solution.
	Data on method of production:	Product obtained chemically and by dissolution in water, in a form stable at atmospheric pressure, without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight) and other requirements:	- Total: 15 %, ($N + P_2O_5 + K_2O$); - For each of the nutrients: 2 % N, 3 % P_2O_5, 3 % K_2O; - Maximum biuret content: ureic N × 0,026.

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Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen	Water-soluble P_2O_5	Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to not less than 1 % by weight, it must be declared (3) If the biuret content is less than 0,2 %, the words 'low in biuret' may be added	Water-soluble P_2O_5	(1) Water-soluble potassium oxide (2) The words 'low in chloride' may be used only where the Cl content does not exceed 2 % (3) The chloride content may be declared

C.2. Compound fluid fertilizers (continued)

C.2.2.	Type designation:	NPK-fertilizer suspension.
	Data on method of production:	Product in liquid form, in which the nutrients are derived from substances both in suspension in the water and in solution without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight) and other requirements:	- Total: 20 %, (N + P_2O_5 + K_2O); - For each of the nutrients: 3 % N, 4 % P_2O_5, 4 % K_2O; - Maximum biuret content: ureic N × 0,026.

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and water	Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen 2 to 4 amounts to not less than 1 % by weight, it must be declared (3) If the biuret content is less than 0,2 %, the words 'low in biuret' may be added	The fertilizers must not contain Thomas slag, aluminium calcium phosphate, calcined phosphates, partially solubilised phosphates or rock phosphates (1) If the water-soluble P_2O_5 is less than 2 %, only solubility 2 shall be declared (2) If the water-soluble P_2O_5 is at least 2 %, solubility 3 and the water-soluble P_2O_5 content shall be declared	(1) Water-soluble potassium oxide (2) The words 'low in chloride' may be used only where the Cl content does not exceed 2 % (3) The chloride content may be declared

C.2. Compound fluid fertilizers (continued)

C.2.3.	Type designation:	NP-fertilizer solution.
	Data on method of production:	Product obtained chemically and by dissolution in water, in a form stable at atmospheric pressure, without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight):	- Total: 18 %, (N + P_2O_5); - For each of the nutrients: 3 % N, 5 % P_2O_5. - Maximum biuret content: ureic N × 0,026

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen	Water-soluble P_2O_5		(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to not less than 1 % by weight, it must be declared. (3) If the biuret content is less than 0,2 %, the words 'low in biuret' may be added	Water-soluble P_2O_5	

C.2. Compound fluid fertilizers (continued)

C.2.4.	Type designation:	NP-fertilizer suspension.
	Data on method of production:	Product in liquid form, in which the nutrients are derived from substances both in solution and in suspension in the water, without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight):	- Total: 18 %, (N + P_2O_5); - For each of the nutrients: 3 % N, 5 % P_2O_5. - Maximum biuret content: ureic N × 0,026

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and water		(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to not less than 1 % by weight, it must be declared. (3) If the biuret content is less than 0,2 %, the words 'low in biuret' may be added	(1) If the water-soluble P_2O_5 is less than 2 % only solubility 2 shall be declared (2) If the water-soluble P_2O_5 is at least 2 %, solubility 3 will be declared and the water-soluble P_2O_5 content must be stated. The fertilizers may not contain Thomas slag, aluminium calcium phosphate, calcined phosphates, partially solubilised phosphate or rock phosphates	

C.2. Compound fluid fertilizers (continued)

C.2.5.	Type designation:	NK-fertilizer solution.
	Data on method of production:	Product obtained chemically and by dissolution in water, in a form stable at atmospheric pressure, without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight):	- Total: 15 % (N + K_2O); - For each of the nutrients: 3 % N, 5 % K_2O. - Maximum biuret content: ureic N × 0,026

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Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen		Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to not less than 1 % by weight, it must be declared (3) If the biuret content is less than 0,2 %, the words 'low in biuret' may be added		(1) Water-soluble potassium oxide (2) The words 'low in chloride' may be used only where the Cl content does not exceed 2 % (3) The chloride content may be declared

C.2.6. Compound fluid fertilizers (continued)

C.2.6.	Type designation:	NK-fertilizer suspension.
	Data on method of production:	Product in liquid form, in which the nutrients are derived from substances both in solution and in suspension in the water, without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight):	- Total: 18 % (N + K_2O); - For each of the nutrients: 3 % N, 5 % K_2O. - Maximum biuret content: ureic N × 0,026

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen		Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to not less than 1 % by weight, it must be declared (3) If the biuret content is less than 0,2 %, the words 'low in biuret' may be added		(1) Water-soluble potassium oxide (2) The words 'low in chloride' may be used only where the Cl content does not exceed 2 % (3) The chloride content may be declared

C.2.7. Compound fluid fertilizers (continued)

C.2.7.	Type designation:	PK-fertilizer solution.
	Data on method of production:	Product obtained chemically and by dissolution in water, without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight):	- Total: 18 % (P_2O_5 + K_2O); - For each of the nutrients: 5 % P_2O_5, 5 % K_2O.

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Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
	Water-soluble P_2O_5	Water-soluble K_2O		Water-soluble P_2O_5	(1) Water-soluble potassium oxide (2) The words 'low in chloride' may be used only where the Cl content does not exceed 2 % (3) The chloride content may be declared

C.2. Compound fluid fertilizers (continued)

C.2.8.	Type designation:	NPK-fertilizer suspension.
	Data on method of production:	Product in liquid form, in which the nutrients are derived from substances both in solution and in suspension in water, without addition of organic nutrients of animal or vegetable origin.
	Minimum content of nutrients (percentage by weight):	- Total: 18 % (P_2O_5 + K_2O); - For each of the nutrients: 5 % P_2O_5, 5 % K_2O.

Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6; particle size			Data for identification of the fertilizers; other requirements		
N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6
	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and water	Water-soluble K_2O		(1) If the water-soluble P_2O_5 is less than 2 % only solubility 2 will be declared (2) If the water-soluble P_2O_5 is at least 2 % solubility 3 and the water-soluble P_2O_5 content shall be declared The fertilizers must not contain Thomas slag, aluminium calcium phosphate, calcined phosphates, partially solubilised phosphates or rock phosphates	(1) Water-soluble potassium oxide (2) The words 'low in chloride' may be used only where the Cl content does not exceed 2 % (3) The chloride content may be declared

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D. Inorganic secondary nutrient fertilizers

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) data on the expression of nutrients; other requirements	Other data or type of designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
1	Calcium sulphate	Product of natural or industrial origin containing calcium sulphate at various degrees of hydration	25 % CaO 35 % SO_3 Calcium and sulphur expressed as total CaO + SO_3 Fineness of grind: - at least 80 % to pass through a sieve with a 2 mm mesh width, - at least 99 % to pass through a sieve with a 10 mm mesh width	Usual trade names may be added	Total sulphur trioxide Optional: total CaO
2	Calcium chloride solution	Calcium chloride solution of industrial origin	12 % CaO Calcium expressed as water-soluble CaO		Calcium oxide Optional: for plant spraying
3	Elemental sulphur	Comparatively refined natural or industrial product	98 % S (245 %: SO_3) Sulphur expressed as total SO_3		Total sulphur trioxide
4	Kieserite	Product of mineral origin containing monohydrated magnesium sulphate as main component	24 % MgO 45 % SO_3 Magnesium and sulphur expressed as water-soluble magnesium oxide and sulphur trioxide	Usual trade names may be added	Water-soluble magnesium oxide Optional: water-soluble sulphur trioxide
5	Magnesium sulphate	Product containing heptahydrated magnesium sulphate as main component	15 % MgO 28 % SO_3 Magnesium and sulphur expressed as water-soluble magnesium oxide and sulphur trioxide	Usual trade names may be added	Water-soluble magnesium oxide Optional: water-soluble sulphur trioxide
5.1	Magnesium sulphate solution	Product obtained by dissolution in water of magnesium sulphate of industrial origin	5 % MgO 10 % SO_3 Magnesium and sulphur expressed as water-soluble magnesium oxide and water-soluble sulphuric anhydride	Usual trade names may be added	Water-soluble magnesium oxide Optionally: water-soluble sulphuric anhydride
5.2	Magnesium hydroxide	Product obtained chemically and having as its essential ingredient magnesium hydroxide	60 % MgO Particle size: at least 99 % able to pass through a sieve with a mesh of 0,063 mm		Total magnesium oxide
5.3	Suspension of magnesium hydroxide	Product obtained by suspension of type 5.2	24 % MgO		Total magnesium oxide
6	Magnesium chloride solution	Product obtained by dissolving magnesium chloride of industrial origin	13 % MgO Magnesium expressed as magnesium oxide Maximum calcium content: 3 % CaO		Magnesium oxide

E. Inorganic micro-nutrient fertilizers

Explanatory note: The following notes are applicable to the whole of Part E.

Note 1: A chelating agent may be designated by means of its initials as set out in E.3

Note 2: If the product leaves no solid residue after being dissolved in water it may be described as 'for dissolution'.

Note 3: Where a micro-nutrient is present in a chelated form, the pH range guaranteeing acceptable stability of the chelated fraction shall be stated.

E.1. Fertilizers containing only one micro-nutrient

E.1.1. Boron

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients; Other criteria
1	2	3	4	5	6
1a	Boric acid	Product obtained by the action of an acid on a borate	14 % water-soluble B	The usual trade names may be added.	Water-soluble boron (B)
1b	Sodium borate	Chemically obtained product containing as its essential component a sodium borate	10 % water-soluble B	The usual trade names may be added.	Water-soluble boron (B)
1c	Calcium borate	Product obtained from colemanite or pandermite containing as its essential ingredient calcium borates	7 % total B Particle size: at least 98 % passing through a 0,063 mm sieve	The usual trade names may be added.	Total boron (B)
1d	Boron ethanol amine	Product obtained by reacting a boric acid with an ethanol amine	8 % water-soluble B		Water-soluble boron (B)
1e	Borated fertilizer in solution	Product obtained by dissolving types 1a and/or 1b and/or 1d	2 % water-soluble B	The designation must include the names of the constituents present.	Water-soluble boron (B)
1f	Borated fertilizer in suspension	Product obtained by suspending types 1a and/or 1b and/or 1d in water	2 % water-soluble B	The designation must include the names of the constituents present.	Water-soluble boron (B)

E.1.2. Cobalt

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients; Other criteria
1	2	3	4	5	6
2a	Cobalt salt	Chemically obtained product containing a mineral salt of cobalt as its essential ingredient	19 % water-soluble Co	The designation must include the name of the mineral anion	Water-soluble cobalt (Co)
2b	Cobalt chelate	Water-soluble product obtained by combining cobalt chemically with a chelating agent	2 % water-soluble Co, at least 8/10 of the declared value of which has been chelated	Name of the chelating agent	Water-soluble cobalt (Co) Chelated cobalt (Co)
2c	Cobalt fertilizer solution	Product obtained by dissolving types 2a and/or one of the type 2b in water	2 % water-soluble Co	The designation must include: (1) the name(s) of the mineral anion(s); (2) the name of any chelating agent if present.	Water-soluble cobalt (Co) Chelated cobalt (Co) if present

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E.1.3. Copper

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients; Other criteria
1	2	3	4	5	6
3a	Copper salt	Chemically obtained product containing a mineral salt of copper as its essential ingredient	20 % water-soluble Cu	The designation must include the name of the mineral anion	Water-soluble copper (Cu)
3b	Copper oxide	Chemically obtained product containing copper oxide as its essential ingredient	70 % total Cu Particle size: at least 98 % passing through a 0,063 mm sieve		Total copper (Cu)
3c	Copper hydroxide	Chemically obtained product containing copper hydroxide as its essential ingredient	45 % total Cu Particle size: at least 98 % passing through a 0,063 mm sieve		Total copper (Cu)
3d	Copper chelate	Water-soluble product obtained by combining copper chemically with a chelating agent	9 % water-soluble Cu, at least 8/10 of the declared value of which has been chelated	Name of the chelating agent	Water-soluble copper (Cu) Chelated copper (Cu)
3e	Copper-based fertilizer	Product obtained by mixing types 3a and/or 3b and/or 3c and/or a single one of type 3d and, if required, filler that is neither nutrient nor toxic	5 % total Cu	The designation must include: (1) the name(s) of the copper components; (2) the name of any chelating agent if present.	Total copper (Cu) Water-soluble copper (Cu) if this accounts for at least 1/4 of the total copper Chelated copper (Cu) if present
3f	Copper fertilizer solution	Product obtained by dissolving types 3a and/or one of the type 3d in water	3 % water-soluble Cu	The designation must include: (1) the name(s) of the mineral anion(s); (2) the name of any chelating agent if present.	Water-soluble copper (Cu) Chelated copper (Cu) if present
3g	Copper oxychloride	Chemically obtained product containing copper oxychloride [$Cu_2Cl(OH)_3$] as an essential ingredient	50 % total Cu Particle size: at least 98 % passing through a 0,063 mm sieve		Total copper (Cu)
3h	Copper oxychloride suspension	Product obtained by suspension of type 3 g	17 % total Cu		Total copper (Cu)

E.1.4 Iron

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients; Other criteria
1	2	3	4	5	6
4a	Iron salt	Chemically obtained product containing a mineral iron salt as its essential ingredient	12 % water-soluble Fe	The designation must include the name of the mineral anion	Water-soluble iron (Fe)
4b	Iron chelate	Water-soluble product obtained by combining iron chemically with a chelating agent	5 % water-soluble Fe, at least 8/10 of the declared value of which has been ***chelated***	Name of the chelating agent	Water-soluble iron (Fe) Chelated iron (Fe)

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients; Other criteria
1	2	3	4	5	6
4c	Iron fertilizer solution	Product obtained by dissolving types 4a and/or one of the type 4b in water	2 % water-soluble Fe	The designation must include: (1) the name(s) of the mineral anion(s); (2) the name of any chelating agent if present.	Water-soluble iron (Fe) Chelated iron (Fe) if present

E.1.5. Manganese

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients; Other criteria
1	2	3	4	5	6
5a	Manganese salt	Chemically obtained product containing a mineral manganese salt (Mn II) as its essential ingredient	17 % water-soluble Mn	The designation must include the name of the combined anion.	Water-soluble manganese (Mn)
5b	Manganese chelate	Water-soluble product obtained by combining manganese chemically with a chelating agent	5 % water-soluble Mn, at least 8/10 of the declared value of which has been chelated	Name of the chelating agent	Water-soluble manganese (Mn) Chelated manganese (Mn)
5c	Manganese oxide	Chemically obtained product containing manganese oxides as essential ingredients	40 % total Mn Particle size: at least 80 % passing through a 0,063 mm sieve		Total manganese (Mn)
5d	Manganese-based fertilizer	Product obtained by mixing types 5a and 5c	17 % total Mn	The designation must include the name of the manganese components	Total manganese (Mn) Water-soluble manganese (Mn) if this accounts for at least 1/4 of the total manganese
5e	Manganese-based fertilizer solution	Product obtained by dissolving types 5a and/or one of the type 5b in water	3 % water-soluble Mn	The designation must include: (1) the name(s) of the mineral anion(s); (2) the name of any chelating agent if present.	Water-soluble manganese (Mn) Chelated manganese (Mn) if present

E.1.6. Molybdenum

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients; Other criteria
1	2	3	4	5	6
6a	Sodium molybdate	Chemically obtained product containing sodium molybdate as its essential ingredient	35 % water-soluble Mo		Water-soluble molybdenum (Mo)

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No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients; Other criteria
1	2	3	4	5	6
6b	Ammonium molybdate	Chemically obtained product containing ammonium molybdate as its essential ingredients	50 % water-soluble Mo		Water-soluble molybdenum (Mo)
6c	Molybdenum-based fertilizer	Product obtained by mixing types 6a and 6b	35 % water-soluble Mo	The designation must include the names of the molybdenum components	Water-soluble molybdenum (Mo)
6d	Molybdenum-based fertilizer solution	Product obtained by dissolving types 6a and/or one of the type 6b in water	3 % water-soluble Mo	The designation must include the name(s) of the molybdenum component(s)	Water-soluble molybdenum (Mo)

E.1.7. Zinc

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients; Other criteria
1	2	3	4	5	6
7a	Zinc salt	Chemically obtained product and having as its essential ingredient a mineral salt of zinc	15 % water-soluble Zn	The designation must include the name of the mineral anion	Water-soluble zinc (Zn)
7b	Zinc chelate	Water-soluble product obtained by combining zinc chemically with a chelating agent	5 % water-soluble Zn, at least 8/10 of the declared content of which has been chelated	Name of the chelating agent	Water-soluble zinc (Zn) Chelated zinc (Zn)
7c	Zinc oxide	Chemically obtained product and having as its essential ingredient zinc oxide	70 % total Zn Particle size: at least 80 % passing through a 0,063 mm sieve		Total zinc (Zn)
7d	Zinc-based fertilizer	Product obtained by mixing types 7a and 7c	30 % total Zn	The designation must include the name of the zinc components present	Total zinc (Zn) Water-soluble zinc (Zn) if this accounts for at least 1/4 of the total zinc (Zn)
7e	Zinc-based fertilizer solution	Product obtained by dissolving types 7a and/or one of type 7b in water	3 % water-soluble Zn	The designation must include: (1) the name(s) of the mineral anion(s); (2) the name of any chelating agent if present.	Water-soluble zinc (Zn) Chelated zinc (Zn) if present

E.2. Minimum micro-nutrient content, percentage weight of fertilizer

E.2.1. Solid or fluid mixtures of micro-nutrient

	Where the micro-nutrient is present in a form that is	
	exclusively mineral	chelated or complexed
For a micro-nutrient:		
Boron (B)	0,2	0,2
Cobalt (Co)	0,02	0,02
Copper (Cu)	0,5	0,1
Iron (Fe)	2,0	0,3
Manganese (Mn)	0,5	0,1
Molybdenum (Mo)	0,02	-
Zinc (Zn)	0,5	0,1

Minimum total of micro-nutrient in a solid mixture: 5 % by mass of the fertilizer.

Minimum total of micro-nutrient in a fluid mixture: 2 % by mass of the fertilizer.

E.2.2. EEC fertilizers containing primary and/or secondary nutrient with micro-nutrient applied to the soil

	For crops or grassland	For horticultural use
Boron (B)	0,01	0,01
Cobalt (Co)	0,002	-
Copper (Cu)	0,01	0,002
Iron (Fe)	0,5	0,02
Manganese (Mn)	0,1	0,01
Molybdenum (Mo)	0,001	0,001
Zinc (Zn)	0,01	0,002

E.2.3. EEC fertilizers containing primary and/or secondary nutrient with micro-nutrients for leaf sprays

Boron (B)	0,010
Cobalt (Co)	0,002
Copper (Cu)	0,002
Iron (Fe)	0,020
Manganese (Mn)	0,010
Molybdenum (Mo)	0,001
Zinc (Zn)	0,002

E.3. List of authorised organic chelating and complexing agents for micro-nutrients

Authorised products

E.3.1. Chelating agents

Sodium, potassium or ammonium acid or salts of:		
ethylene diamine tetraacetic acid:	EDTA	$C_{10}H_{16}O_8N_2$
diethylene triamine pentaacetic acid:	DTPA	$C_{14}H_{23}O_{10}N_3$
ethylene diamine-di (O-hydroxyphenyl acetic) acid:	EDDHA	$C_{18}H_{20}O_6N_2$
hydroxy-2ethyl ethylene diamine triacetic acid:	HEEDTA	$C_{10}H_{18}O_7N_2$
ethyldiamine-di (O-hydroxy P-methyl phenyl) acetic acid:	EDDHMA	$C_{20}H_{24}O_6N_2$
ethylene diamine-di (5-carboxy-2-hydroxyphenyl) acetic acid:	EDDCHA	$C_{20}H_{20}O_{10}N_2$

E.3.2. Complexing agents

List to be drawn up