

Brussels, XXX [...](2013) XXX draft

ANNEXES 1 to 2

ANNEXES

to

Commission Regulation (EU) No .../..

amending Regulation (EC) No 2003/2003 of the European Parliament and of the Council relating to fertilisers for the purpose of adapting Annexes I and IV

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ANNEX I

Annex I is amended as follows:

(1) in Table A.3, entry 1 in the table is replaced by the following:

'1	Crude potassium salt	Product obtained from crude potassium salts	9 % K ₂ O Potassium expressed as water-soluble K ₂ O 2 % 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 Total sodium oxide Chloride content must be declared'
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(2) Table C.2 is amended as follows:

(a) entries C.2.2 to C.2.8 are replaced by the following:

	Type desig	nation:		NPK-fertili	NPK-fertiliser solution containing urea formaldehyde				
	Data on me	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 and containing urea formaldehyde				
Minimum content of nutrients (percentage by weight) and other requirements:				 Total 15 % (N +P₂O₅ +K₂O) For each of the nutrients: 5 % N, at least 25 % of the declared content of total nitrogen must derive from nitrogen form (5) 3 % P₂O₅ 3 % K₂O Maximum biuret content: (ureic N + urea formaldehyde N) × 0,026 					
Form		s and nutrient content to be columns 4, 5 and 6 – Particle		ed	Data for identi	fication of the fertilisers – Of	her requirements		
N		P_2O_5	K ₂ C)	N	P_2O_5	K ₂ O		
1		2	3		4	5	6		
1 (1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Nitrogen from urea formaldehyde		Water-soluble P ₂ O ₅	Water-soluble	K ₂ O	 Total nitrogen If any of the forms of nitrogen (2), (3) and (4) amounts to not less than 1 % by weight, it must be declared Nitrogen from urea formaldehyde If the biuret content is less than 0,2 %, the words 'low in biuret' may be added 	Water-soluble P ₂ O ₅	 Water-soluble potassium oxide The words 'low in chloride' may be used only where the Cl content does not exceed 2 % The chloride content may be declared 		

	Type desig	nation:		NPK-fertili	iser suspension				
C.2.3	Data on me	thod 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				
C.2.3	Minimum content of nutrients (percentage by weight) and other requirements:			- For each	 Total: 20 %, (N + P₂O₅ + K₂O) For each of the nutrients: 3 % N, 4% P₂O₅, 4 % K₂O Maximum biuret content: ureic N × 0,026 				
Forms, solubilities and nutrient content to be declared as specifie in columns 4, 5 and 6 – Particle size				d	Data for identi	fication of the fertilisers – Oth	er requirements		
N		P_2O_5	K ₂ O)	N	P ₂ O ₅	K ₂ O		
1		2	3		4	5	6		
(1) Total nitro(2) Nitric nitro(3) Ammoniao(4) Ureic nitro	ogen cal nitrogen	 (1) Water-soluble P₂O₅ (2) P₂O₅ soluble in neutral ammonium citrate (3) P₂O₅ soluble in neutral ammonium citrate and water 	Water-soluble F	₹ ₂ O	 (1) Total nitrogen (2) If any of the forms of nitrogen (2), (3) and (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 fertilisers must not contain Thomas slag, aluminium calcium phosphate, calcined phosphates, partially solubilised phosphates or rock phosphates (1) If the water-soluble P ₂ O ₅ is less than 2 %, only solubility 2 shall be declared (2) If the water-soluble P ₂ O ₅ is at least 2 %, solubility 3 and the water-soluble P ₂ O ₅ content shall be declared	 Water-soluble potassium oxide The words 'low in chloride' may be used only where the Cl content does not exceed 2 % The chloride content may be declared 		

	Type designation:	NPK-fertiliser suspension containing urea formaldehyde
C.2.4		

	Minimum content of nutrients (percentage by weight) and other requirements:			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 and containing urea formaldehyde - Total 20 % (N +P ₂ O ₅ +K ₂ O) - For each of the nutrients: - 5 % N, at least 25 % of the declared content of total nitrogen must derive from nitrogen form (5) At least 3/5 of the declared nitrogen content (5) must be soluble in hot water - 4 % P ₂ O ₅ - 4 % K ₂ O Maximum biuret content: (ureic N + urea formaldehyde N) × 0,026				
Form		s and nutrient content to be decolumns 4, 5 and 6 – Particle s		d	Data for identi	fication of the fertilisers – Oth	er requirements	
N		P_2O_5	K ₂ O		N	P_2O_5	K ₂ O	
1		2	3		4	5	6	
(1) Total nitrog(2) Nitric nitrog(3) Ammoniaca(4) Ureic nitrog(5) Nitrogen fra formaldehy	gen al nitrogen gen om urea	 Water-soluble P₂O₅ P₂O₅ soluble in neutral ammonium citrate P₂O₅ soluble in neutral ammonium citrate and in water 	Water-soluble F	G ₂ O	 Total nitrogen If any of the forms of nitrogen (2), (3) and (4) amounts to not less than 1 % by weight, it must be declared Nitrogen from urea formaldehyde If the biuret content is less than 0,2 %, the words 'low in biuret' may be added 	The fertilisers must not contain Thomas slag, aluminium calcium phosphate, calcined phosphates, partially solubilised phosphates or rock phosphates (1) If the water-soluble P ₂ O ₅ is less than 2 %, only solubility (2) shall be declared (2) If the water-soluble P ₂ O ₅ is at least 2 %, solubility (3) and the water-soluble P ₂ O 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 	

	Type design	nation:		NP-fertilise	er solution				
C.2.5	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:			- For each	 Total: 18 %, (N + P₂O₅) For each of the nutrients: 3 % N, 5 % P₂O₅ Maximum biuret content: ureic N × 0,026 				
Forms, solubilities and nutrient content to be declared as specific in columns 4, 5 and 6 – Particle size			d	Data for identif	fication of the fertilisers – Of	ther requirements			
N		P_2O_5	K ₂ O)	N	P_2O_5	K ₂ O		
1		2	3		4	5	6		
(1) Total nitro(2) Nitric nitro(3) Ammonia(4) Ureic nitro	ogen cal nitrogen	Water-soluble P ₂ O ₅			 (1) Total nitrogen (2) If any of the forms of nitrogen (2), (3) and (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 ₂ O ₅			

	Type designation:	NP-fertiliser solution containing urea formaldehyde
	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 and containing urea formaldehyde
C.2.6	Minimum content of nutrients (percentage by weight) and other requirements:	 Total 18 % (N +P₂O₅) For each of the nutrients: 5 % N, at least 25 % of the declared content of total nitrogen must derive from nitrogen form (5) 5 % P₂O₅

	Maximum b			formaldehyde N) \times 0,026		
Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6 – Particle size			Data for identif	Data for identification of the fertilisers – Other requirements		
N	P_2O_5	K ₂ O	N	P_2O_5	K ₂ O	
1	2	3	4	5	6	
 Total nitrogen Nitric nitrogen Ammoniacal nitrogen Ureic nitrogen Nitrogen from urea formaldehyde 	Water-soluble P ₂ O ₅		 (1) Total nitrogen (2) If any of the forms of nitrogen (2), (3) and (4) amounts to not less than 1 % by weight, it must be declared (3) Nitrogen from urea formaldehyde (4) If the biuret content is less than 0,2 %, the words 'low in biuret' may be added 	Water-soluble P ₂ O ₅		

	Type designation:		NP-fertiliser suspension				
'C.2.7				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 ₂ O ₅) and other requirements: - For each of the nutrients: 3			8% , $(N + P_2O_5)$ n of the nutrients: 3% N, 5% m biuret content: ureic N × 0,	nutrients: 3 % N, 5 % P ₂ O ₅			
Form		and nutrient content to be decolumns 4, 5 and 6 – Particle s		d	Data for identi	fication of the fertilisers. Other	er requirements
N P ₂ O ₅ K ₂ O)	N	P_2O_5	K ₂ O		
1 2 3			4	5	6		

(1) Total nitrogen(2) Nitric nitrogen(3) Ammoniacal nitrogen(4) Ureic nitrogen	 Water-soluble P₂O₅ P₂O₅ soluble in neutral ammonium citrate P₂O₅ soluble in neutral ammonium citrate and water 		 Total nitrogen If any of the forms of nitrogen (2), (3) and (4) amounts to not less than 1 % by weight, it must be declared If the biuret content is less than 0,2 %, the words 'low in biuret' may be added 	The fertilisers may not contain Thomas slag, aluminium calcium phosphate, calcined phosphates, partially solubilised phosphate or rock phosphates (1) If the water-soluble P ₂ O ₅ is less than 2 % only solubility 2 shall be declared (2) If the water-soluble P ₂ O ₅ is at least 2 %, solubility 3 will be declared and the water-soluble P ₂ O ₅ content must be stated	
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	Type designation:			NP-fertiliser suspension containing urea formaldehyde			
	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 and containing urea formaldehyde			
C.2.8		content of nutrients (percent equirements:	age by weight)				
Form	Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6 – Particle size			d	Data for identification of the fertilisers – Other requirements		
N		P_2O_5	K ₂ O		N	P_2O_5	K ₂ O

1	2	3	4	5	6
 Total nitrogen Nitric nitrogen Ammoniacal nitrogen Ureic nitrogen Nitrogen from urea formaldehyde 	 (1) Water-soluble P₂O₅ (2) P₂O₅ soluble in neutral ammonium citrate (3) P₂O₅ soluble in neutral ammonium citrate and in water 		 Total nitrogen If any of the forms of nitrogen (2), (3) (4) amounts to not less than 1 % by weight, it must be declared Nitrogen from urea formaldehyde If the biuret content is less than 0,2 %, the words 'low in biuret' may be added 	The fertilisers must not contain Thomas slag, aluminium calcium phosphate, calcined phosphates, partially solubilised phosphates or rock phosphates (1) If the water-soluble P ₂ O ₅ is less than 2 %, only solubility (2) shall be declared (2) If the water-soluble P ₂ O ₅ is at least 2 %, solubility (3) and the water-soluble P ₂ O ₅ content shall be declared	

(b) the following entries C.2.9 to C.2.14 are added:

	Type designation:		NK-fertilise	NK-fertiliser solution				
'C.2.9	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 + K₂O) For each of the nutrients: 3 % N, 5% K₂O Maximum biuret content: ureic N × 0,026 				
Form	Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6 – Particle size			Data for identif	rication of the fertilisers – Otho	er requirements		
N	N P ₂ O ₅ K ₂ O)	N	P_2O_5	K ₂ O		
1 2 3			4	5	6			

(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen	(1) Total nitrogen (2) If any of the forms of nitrogen (2), (3) and (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
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	Data on method of production:			NK-fertiliser solution containing urea formaldehyde			
				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 and containing urea formaldehyde			
C.2.10	Minimum content of nutrients (percentage by weight) and other requirements:		 Total 15 % (N + K₂O) For each of the nutrients: 5 % N, at least 25 % of the declared content of total nitrogen must derive from nitrogen form (5) 5 % K₂O Maximum biuret content: (ureic N + urea formaldehyde N) × 0,026 				
Forn	Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6 – Particle size			d	Data for identif	ication of the fertilisers – Oth	er requirements
N		P_2O_5	K ₂ O		N	P_2O_5	K ₂ O
1	1 2 3			4	5	6	

words flow in bluret may be added	 Total nitrogen Nitric nitrogen Ammoniacal nitrogen Ureic nitrogen Nitrogen from urea formaldehyde 		Water-soluble K ₂ O	 (1) Total nitrogen (2) If any of the forms of nitrogen (2), (3) and (4) amounts to not less than 1 % by weight, it must be declared (3) Nitrogen from urea formaldehyde (4) If the biuret content is less than 0,2 %, the words 'low in biuret' 		 Water-soluble potassium oxide The words 'low in chloride' may be used only where the Cl content does not exceed 2 % The chloride content may be declared
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	Type designation:			NK-fertiliser suspension					
C.2.11				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) and other requirements:			 For each 	 Total: 18 % (N + K₂O) For each of the nutrients: 3 % N, 5 % K₂O Maximum biuret content: ureic N × 0,026 				
For	Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6 – Particle size			d	Data for identif	ication of the fertilisers – Othe	er requirements		
N	N P ₂ O ₅ K ₂ O)	N	P_2O_5	K ₂ O			
1 2 3			4	5	6				

(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen	(2) If any nitrog (4) are than must (3) If the less to word	al nitrogen ay of the forms of ogen (2), (3) and amounts to not less 1 % by weight, it to be declared to biuret content is than 0,2 %, the ds 'low in biuret' be added	 Water-soluble potassium oxide The words 'low in chloride' may be used only where the Cl content does not exceed 2 % The chloride content may be declared
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	Type design	nation:		NK-fertilise	er suspension containing urea	formaldehyde		
	C.2.12 Minimum content of nutrients (percentage by weight) and other requirements:			suspension	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 and containing urea formaldehyde			
C.2.12				 Total 18 %(N + K₂O) For each of the nutrients: 5 % N, at least 25 % of the declared content of total nitrogen must derive from nitrogen form (5) At least 3/5 of the declared nitrogen content (5) must be soluble in hot water 5 % K₂O Maximum biuret content: (ureic N + urea formaldehyde N) × 0,026 				
For	Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6 – Particle size			d	Data for identif	fication of the fertilisers – Oth	ner requirements	
N	N P ₂ O ₅ K ₂ O			N	P_2O_5	K ₂ O		
1	1 2 3			4	5	6		

 (1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Nitrogen from urea formaldehyde 	Water-soluble K ₂ O	 (1) Total nitrogen (2) If any of the forms of nitrogen (2), (3) and (4) amounts to not less than 1 % by weight, it must be declared (3) Nitrogen from urea formaldehyde (4) If the biuret content is less than 0,2 %, the words 'low in biuret' may be added 	 Water-soluble potassium oxide The words 'low in chloride' may be used only where the Cl content does not exceed 2 % The chloride content may be declared
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	Type designation:			PK-fertilise	PK-fertiliser solution			
C.2.13	Data on method of production:				Product obtained chemically and by dissolution in water, without addition of organic nutrients of animal or vegetable origin			
		content of nutrients (percent equirements:	age by weight)		 Total: 18 % (P₂O₅ + K₂O) For each of the nutrients: 5 % P₂O₅, 5 % K₂O 			
Fori	Forms, solubilities and nutrient content to be declared as specified in columns 4, 5 and 6 – Particle size			d	Data for identification of the fertilisers – Other requirements			
N		P_2O_5	K ₂ C)	N	P_2O_5	K ₂ O	
1		2	3		4	5	6	
		Water-soluble P ₂ O ₅	Water-soluble I	K ₂ O		Water-soluble P ₂ O ₅	 Water-soluble potassium oxide The words 'low in chloride' may be used only where the Cl content does not exceed 2 % The chloride content may be declared 	

	Data on method of production: If s			PK-fertiliser suspension				
C.2.14					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			
					$8 \% (P_2O_5 + K_2O)$ n of the nutrients: $5 \% P_2O_5$,	5 % K ₂ O		
Fori		s and nutrient content to be decolumns 4, 5 and 6 – Particle s		d	Data for ident	ification of the fertilisers – Oth	er requirements	
N		P_2O_5	K ₂ O)	N	P ₂ O ₅	K ₂ O	
1		2	3		4	5	6	
		 (1) Water-soluble P₂O₅ (2) P₂O₅ soluble in neutral ammonium citrate (3) P₂O₅ soluble in neutral ammonium citrate and water 	Water-soluble F	ζ ₂ Ο		The fertilisers must not contain Thomas slag, aluminium calcium phosphate, calcined phosphates, partially solubilised phosphates or rock phosphates (1) If the water-soluble P ₂ O ₅ is less than 2 % only solubility 2 will be declared (2) If the water-soluble P ₂ O ₅ is at least 2 % solubility 3 and the water-soluble P ₂ O 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' 	

in Table F.1, the following entry 4 is added:

'4	3,4-dimethyl-1H-pyrazole phosphate (DMPP) EC No 424-640-9	Minimum: 0,8 Maximum: 1,6'						
(4)	(4) in Table F.2, the following entry 3 is added:							
'3	Reaction mixture of N-butyl-thiophosphoric-triamide (NBPT) and N-propyl-thiosphosphoric-triamide (NPPT) (ratio 3:1 ¹) EC No 700-457-2	Minimum: 0,02 Maximum: 0,3'						

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Tolerance on the portion of N-propyl-thiophosphoric-triamide (NPPT): 20%.

ANNEX II

In Annex IV, Section B, the following methods are added:

(1) 'Method 12.6

Determination of DMPP

EN 16328: Fertilizers – Determination of 3, 4-dimethyl-1H-pyrazole phosphate (DMPP) – Method using high- performance liquid chromatography (HPLC)

This method of analysis has been ring-tested.

(2) Method 12.7

Determination of NBPT/NPPT

EN 16651: Fertilizers – Determination of N-(n-Butyl)thiophosphoric acid triamide (NBPT) and N-(n-Propyl)thiophosphoric acid triamide (NPPT) – Method using high-performance liquid chromatography (HPLC)

This method of analysis has been ring-tested.'