EUROPEAN
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ANNEXES 1 to 2

ANNEXES

to the

COMMISSION IMPLEMENTING DECISION

on a standardisation request to the European Committee for Standardisation as regards the EU fertilising products in support of Regulation (EU) 2019/1009 of the European Parliament and of the Council

ANNEX I

Table 1. List of harmonised standards to be drafted, and deadlines for their adoption

No	Title of standard	Requirements and reference information to be covered by the standard	Deadline for adoption by CEN
1.	**European Standard: Organic and Organo-mineral fertilisers – Determination of specific elements**	**Determination of the cadmium, nickel, mercury and lead content** To use as basis the standards Extraction: EN 13650 Determination: EN 16319 (for Cd/Ni/Pb) or EPA method 7473 with EN 13040 for the preparatory phase (for Hg) or EN 16320 (for Hg) or ISO 16772 (for Hg) or EN 13650 or ISO 11885 or ICP - MS or ICP-OES method	01 April 2024
		Determination of the inorganic arsenic content To use as basis the standards: Extraction : EN 13650 Determination : EN 16317 or ISO 11885 or ICP - MS or ICP-OES method or HPLC	
		Determination of the total P_2O_5, K_2O, MgO, CaO and Na_2O content To use as basis the standards Extraction: EN 13650 or EN 16174 Determination**:** ISO 11885 or CEN/TS 16170 or CEN/TS 16171	
		Determination of the copper and zinc content To use as basis the standards Extraction: EN 13650 Determination: ISO 11885	
		Determination of the total SO_3 content To use as basis the standards Extraction: EN 15925 Determination: EN 15749 or	

		Extraction: EN 13650 Determination: ISO 11885	
		Determination of the water-soluble MgO, CaO, Na_2O content To use as basis the standards Extraction: EN 15961 Determination: ISO 11885	
		Determination of the water-soluble SO_3 content To use as basis the standards Extraction: EN 15926 Determination: EN 15749 or ISO 11885	
		Determination of the total chromium content To use as basis the standards: Extraction : EN 13650 Determination : EN 16319 or ISO 11885 or ICP – MS or ICP-OES method	
		Determination of the water-soluble P_2O_5 content (only for organo-mineral fertilisers) To use as basis standards Extraction: EN 15958 Determination: ISO 11885 or EN 15959	
		Determination of the neutral ammonium citrate soluble P_2O_5 content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 15957 Determination: ISO 11885 or EN 15959	
		Determination of the formic acid soluble P_2O_5 content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 15919 Determination: ISO 11885 or EN 15959	

		Determination of the water-soluble K_2O content (only for organo-mineral fertilisers) To use as basis the standard: EN 15477	
		Determination of the total boron content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination: ISO 11885 or ICP MS procedure	
		Determination of the total cobalt content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination**:** ISO 11885 or ICP MS procedure	
		Determination of the total iron content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination: ISO 11885 or ICP MS procedure	
		Determination of the total manganese content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination: ISO 11885 or ICP MS procedure	
		Determination of the total molybdenum content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination: ISO 11885 or ICP MS procedure	
		Determination of the water-soluble boron content (only for organo-mineral fertilisers)	

		To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP MS procedure	
		Determination of the water-soluble cobalt content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP MS procedure	
		Determination of the water-soluble copper content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP MS procedure	
		Determination of the water-soluble iron content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885) or ICP MS procedure	
		Determination of the water-soluble manganese content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP-MS method	
		Determination of the water-soluble molybdenum content (only for organo-mineral fertilisers)	

		To use as basis the standards: Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP MS procedure	
		Determination of the water-soluble zinc content (only for organo-mineral fertilisers) To use as basis the standards: Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP MS procedure	
2.	**European Standard: Organic and Organo-mineral fertilisers – Determination of phosphonates**	**Determination of the phosphonates content** To be developed	01 April 2024
3.	**European Standard: Organic and Organo-mineral fertilisers – Determination of chromium VI**	**Determination of the chromium VI content** To use as basis the standard: EN 15192 or EN 16318 or EN ISO 17075-2 or ICP - MS or ICP-OES method	01 April 2024
4.	**European Standard: Organic and Organo-mineral fertilisers – Determination of biuret**	**Determination of the biuret content** To use as basis the standard: ISO 18643	01 April 2024
5.	**European Standard: Organic and**	**Detection of *Salmonella* spp** To use as basis the standard: EN ISO 6579 or CEN/TR 15215	01 April 2024

	Organo-mineral fertilisers– Detection of specific pathogens	**Detection of *Escherichia coli*** To use as basis the standards: FD/CEN TR 16193-B or NF EN ISO 16649-2	
		Detection of *Enterococcaceae* To use as basis the standards: EN ISO 7899-1 or EN 15788 or BEA method	
6.	**European Standard: Organic and organo-mineral fertilisers– Determination of nitrogen content**	**Determination of the total nitrogen content** To use as basis the standards: EN 13654-2 or EN 13654-1 or NEN 7438 or EN 15561	01 April 2024
		Determination of the ammoniacal nitrogen content To use as a basis the standards: EN 15604 or EN 16652 or EN 13651	
		Determination of the nitric nitrogen content (only for organo-mineral) To use as basis the standard: EN 15604	
		Determination of the urea nitrogen content (only for organo-mineral) To use as basis the standard :EN 15604	
		Determination of the organic nitrogen content To be developed	
7.	**European Standard: Organic and Organo-mineral fertilisers – Determination of specific parameters**	**Determination of the dry matter content** To use as a basis the standard: EN 13040 or VDLUFA method or ISO/DIS 19745	01 April 2024
		Determination of the organic carbon content To use as a basis the standard: EN 15936 or VDLUFA method	
8.	**European Standard: Organic and Organo-mineral fertilisers- Determination of the chloride**	**Determination of the chloride content** To be developed	01 April 2024

	content		
9.	**European Standard: Organic and Organo-mineral fertilisers- Determination of the quantity (indicated by mass or volume)**	**Determination of the quantity (indicated by mass or volume)** To be developed	01 April 2024
10.	**European Standard: Organic and organo-mineral fertilisers – Description of the physical unit**	**Description of the physical unit** To be developed	01 April 2024
11.	**European Standard: Organo-mineral fertilisers - Determination of the nitrogen content as a result of ammonium nitrate**	**Determination of the nitrogen content as a result of ammonium nitrate** To be developed	01 April 2024
12.	**European Standard: Organo-mineral fertilisers – Determination of chelating and complexing agents**	**Determination of the fraction of chelated micronutrients** To use as basis the standard: Determination: EN 13366	01 April 2024
		Identification of chelating agents To use as basis the standards: Determination: EN 13368-1 or EN 13368-2 or EN 13368-3 or EN 15451 or EN 15452 or EN 15950	
		Determination of the fraction of complexed micronutrients	

		To use as basis the standard: Determination: EN 15962	
		Identification of complexing agents To use as basis the standards: Determination: EN 16109 or EN 16847	
13.	**European Standard: Organo-mineral fertilisers – Determination of specific inhibitors**	**Determination of the nitrification inhibitor content** To use as basis the standards: Determination: EN 15360 or EN 16328 or EN 16024 or EN 15905 or EN 17090	01 April 2024
		Determination of the denitrification inhibitor content To be developed	
		Determination of the urease inhibitor content To use as basis the standards: Determination: EN 15688 or EN 16075	
14.	**European Standard: Inorganic fertilisers – Determination of specific contaminants**	**Determination of the mercury content** To use as basis the standard: EN 16320 or ICP - MS or ICP-OES or EPA methods	01 April 2024
		Determination of the cadmium, nickel, arsenic and lead content To use as basis the standards: EN 14888 or EN 16319 or EN 16317 or ICP-MS or ICP-OES method	
		Determination of the chromium VI content To use as basis the standard: EN 16318 or ICP – MS or ICP-OES method	
		Determination of the biuret content To use as basis the standard: EN 15479 or ISO 18643	
		Determination of the perchlorate content To use as basis the standard: EN 17496 or EN 17246	
		Determination of the total chromium	

		content To use as a basis the standard: EN 16319	
15.	**European Standard: Inorganic fertilisers – Determination of specific nutrients**	**Determination of the total nitrogen content** To use as basis the standards: EN 15560 or EN 15561 or EN 15478 or EN 15750	01 April 2024
		Determination of the ammoniacal nitrogen content To use as basis the standard: EN 15475	
		Determination of the nitric nitrogen content To use as basis the standards: EN 15604 or EN 15476	
		Determination of the urea nitrogen content To use as basis the standard: EN 15604 (not validated for products containing cyanamide nitrogen)	
		Determination of the content of nitrogen from urea formaldehyde, isobutylidenediurea and crotonylidenediurea To use as basis the standard: EN 15705	
		Determination of the cyanamide nitrogen content To use as basis the standards: EN 15562 or EN 15604 or EN 15560 or EN 15561	
		Determination of the methylene-urea nitrogen content To use as basis the standard: EN 15478	
		Determination of the total P_2O_5 content To use as basis the standards Extraction: EN 15956 Determination: EN 15959	
		Determination of the water-soluble P_2O_5 content To use as basis the standards Extraction: EN 15958 Determination: EN 15959	

		Determination of the neutral ammonium citrate soluble P_2O_5 content To use as basis standards Extraction: EN 15957 Determination: EN 15959	
		Determination of the formic acid soluble P_2O_5 content To use as basis the standards Extraction: EN 15919 Determination: EN 15959	
		Determination of the total K_2O content To use as basis the standard Extraction: ISO 7407 (and to develop the analytical part for determination)	
		Determination of the water-soluble K_2O content To use as basis the standard Determination: EN 15477	
		Determination of the total MgO content To use as basis the standards Extraction: EN 15960 Determination: EN 16197 or EN 16198	
		Determination of the water-soluble MgO content To use as basis the standards Extraction: EN 15961 Determination: EN 16107 or EN 16198 or ICP-MS method	
		Determination of the total CaO content To use as basis the standards Extraction: EN 15960 Determination: EN 16196 or ICP-MS method	
		Determination of the water-soluble CaO content To use as basis the standards	

		Extraction: EN 15961 Determination: EN 16196 or ICP-MS method	
		Determination of the total SO_3 content To use as basis the standards Extraction: EN 15960 or EN 15925 Determination: EN 15749	
		Determination of the water-soluble SO_3 content To use as basis the standards Extraction: EN 15961 or EN 15926 Determination: EN 15749	
		Determination of the total Na_2O content To use as basis the standards Extraction: EN 15960 Determination: EN 16199	
		Determination of the water-soluble Na_2O content To use as basis the standards Extraction: EN 15961 Determination: EN 16199 or ISO 11885 or ICP method	
16.	**European Standard: Inorganic fertilisers – Determination of specific parameters in ammonium nitrate fertilisers of high nitrogen content**	**Determination of the nitrogen content as a result of ammonium nitrate** To use as basis the standard: EN 15476 or ISO 11855 or EN 1699	01 April 2024
		Determination of the combustible ingredient content To use as basis method 3 of Annex III to Regulation (EC) 2003/2003	
		Determination of pH of a solution To use as basis method 4 of Annex III to Regulation (EC) 2003/2003	
		Determination of particle size To use as basis method 5 of Annex III to	

		Regulation (EC) 2003/2003	
		Determination of the chloride content To use as basis method 6 of Annex III to Regulation (EC) 2003/2003	
		Determination of the copper content To use as basis method 7 of Annex III to Regulation (EC) 2003/2003	
17.	**European Standard: Inorganic fertilisers - Determination of specific micronutrients, chelating and complexing agents**	**Determination of the total boron content** To use as basis standards Extraction: EN 16964 Determination: EN 16963 or EN 17042 or EN 17041 or ICP-MS method	01 April 2024
		Determination of the total cobalt content To use as basis the standards Extraction: EN 16964 Determination: EN 16963 or EN 16965	
		Determination of the total copper and zinc content To use as basis the standards Extraction: EN 16964 Determination: EN 16963 or EN 16965	
		Determination of the total iron content To use as basis the standards Extraction: EN 16964 Determination : EN 16963 or EN 16965	
		Determination of the total manganese content To use as basis the standards Extraction: EN 16964 Determination: EN 16963 or EN 16965	
		Determination of the total molybdenum content To use as basis the standards Extraction: EN 16964	

		Determination: EN 16963 or EN 17043	
		Determination of the water-soluble boron content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 17042 or EN 17041	
		Determination of the water-soluble cobalt content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or EN 16962	
		Determination of the water-soluble copper content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965	
		Determination of the water-soluble iron content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965	
		Determination of the water-soluble manganese content To use as basis standards Extraction: EN 16962 Determination: EN 16963 or EN 16965	
		Determination of the water-soluble molybdenum content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 17043 or EN 17060	
		Determination of the water-soluble zinc content	

		To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965	
		Determination of the sum of declared micronutrients in compound micronutrient fertilisers Sum of the micronutrients present determined by using the methods developed under the relevant points	
		Determination of the fraction of chelated micronutrients To be developed or To use as basis the standard EN 13366	
		Identification of chelating agents To use as basis the standards Determination: EN 13368-1 or EN 13368-2 or EN 13368-3 or EN 15451 or EN 15452 or EN 15950	
		Determination of the fraction of complexed micronutrients To use as basis the standard Determination: EN 15962	
		Identification of complexing agents To use as basis the standards Determination: EN 16109 or EN 16847	
18.	**European Standard: Inorganic fertilisers - Determination of specific inhibitors**	**Determination of the nitrification inhibitor content** To use as basis the standards Determination: EN 15360 or EN 16328 or EN 16024 or EN 15905	01 April 2024
		Determination of the denitrification inhibitor content To be developed	
		Determination of the urease inhibitor content	

		To use as basis the standards Determination: EN 15688 or EN 16075	
19.	**European Standard: Inorganic fertilisers and liming materials - Determination of chloride**	**Determination of the chloride content** To use as a basis the standard: EN 16195 or a potentiometric method	01 April 2024
20.	**European Standard: Inorganic fertilisers and Inhibitors- Determination of specific parameters**	**Determination of the quantity (indicated by mass or volume)** To be developed	01 April 2024
		Determination of the phosphonates content To be developed	
		Determination of the granulometry (only for inorganic fertilisers) To use as basis the standards Determination: EN 1235 or EN 1235/A1 or EN 15928 or EN 15924	
		Determination of the organic carbon content (only for inorganic fertilisers) To be developed	
		Description of the physical unit (only for inorganic fertilisers) To use as basis standards: Vocabulary : EN 12944-1, EN 12944-2, EN 12944-3	
21.	**European Standard: Inorganic fertilisers – Detection of specific pathogens**	**Detection of *Salmonella* spp** To use as basis the standard: EN ISO 6579 or CEN/TR 15215	01 April 2024
		Detection of *Escherichia coli* To use as basis the standards: FD/CEN TR 16193-B or EN ISO 16649-2	
		Detection of *Enterococcaceae* To use as basis the standards: EN ISO 7899-1 or EN 15788 or BEA method	

22.	**European Standard: Liming materials - Determination of specific contaminants, physical and chemical properties**	**Determination of the cadmium content** To use as basis the standard: EN 16319 or EN 16964 or EN 16963	01 April 2024
		Determination of the nickel and lead content To use as basis the standard: EN 16319, EN 16964 or EN 16963 or EN 16317 or EN 16318 or 16320	
		Determination of the chromium VI content To use as basis the standard: EN 16318 or EN 16317 or EN 16319 or 16320	
		Determination of the mercury content To use as basis the standard: EN 16320 or EN 16317 or EN 16318 or 16319	
		Determination of the arsenic content To use as basis the standard: EN 16317, EN 16964 or EN 16963	
		Determination of the total chromium content To use as basis the standard: EN 16964 or EN 16963	
		Determination of phosphonates content To be developed	
		Determination of the neutralising value To use as basis standard: EN 12945 or EN 13971 or EN 14984 or EN 16357	
		Determination of the reactivity To use as basis standards: EN 13971 or EN 14984 or EN 16357	
		Determination of the grain size To be developed	
		Determination of the granulometry To use as basis standard: EN 12948	
		Determination of the total CaO content To use as basis the standards: EN 13475 or EN	

		12946	
		Determination of the total MgO content To use as basis the standards: EN 12947 or EN 12946	
		Determination of quantity (indicated by mass or volume) To be developed	
		Determination of the copper and zinc content To use as a basis the standards: EN 16964 or EN 16963	
23.	**European Standard: Soil Improvers and Growing media – Determination of specific contaminants**	**Determination of the cadmium, lead and nickel content** To use as basis the standards Extraction: EN 13650 or EN 16964 Determination: ISO 11885 or EN 16319 or EN 16963	01 April 2024
		Determination of the chromium VI content To use as basis the standard: EN 15192 or ISO 17075-2	
		Determination of the mercury content To use as basis the standard: ISO 16772	
		Determination of the inorganic arsenic content To use as basis the standards: Extraction: EN 13650 Determination: EN 16317	
		Determination of the phosphonates content To be developed	
		Determination of the total chromium content To use as basis the standard: EN 13650	
24.	**European Standard:**	**Detection of *Salmonella* spp** To use as basis the standard: EN ISO 6579 or	01 April 2024

	Organic soil improvers and Growing media– Detection of specific pathogens	CEN/TR 15215	
		Detection of *Escherichia coli* To use as basis the standards: ISO 16649-2 or EN ISO 9308-3 or CEN/TR 16193	
		Detection of *Enterococcaceae* To use as basis the standard: EN 15788 or EN ISO 7899-1 or BEA method	
25.	**European Standard: Soil improvers – Determination of specific parameters**	**Determination of the dry matter content** To use as basis the standard: EN 13040	01 April 2024
		Determination of the nitrogen content To use as basis the standards: EN 13654-1 or EN 13654-2	
		Determination of the P_2O_5 and K_2O content To use as basis the standards: EN 13650	
		Determination of the total copper and zinc content To use as basis the standards: EN 13650	
		Determination of quantity (indicated by mass or volume) To use as basis the standards: EN 12580 or EN 15238	
		Determination of the chloride content To use as basis the standard Determination: EN 16195	
26.	**European Standard: Organic soil improvers - Determination of specific parameters**	**Determination of the organic carbon content** To use as basis the standard: EN 15936	01 April 2024
		Determination of pH To use as basis standard: EN 13037	
		Determination of electrical conductivity To use as basis the standard: EN 13038	
		Determination of the organic nitrogen content To be developed	

27.	**European Standard: Growing media – Determination of specific parameters**	**Determination of the electrical conductivity** To use as basis the standard: EN 13038	01 April 2024
		Determination of pH To use as basis standard: EN 13037	
		Determination of dry matter To be developed	
		Determination of the nitrogen, P_2O_5 and K_2O content extractable by $CaCl_2$/DTPA To use as basis the standard: EN 13651	
		Determination of the total copper and zinc content To use as basis the standards: EN 13650	
		Determination of quantity To use as basis the standards : EN 12580 or EN 15238 or EN 15761	
		Determination of the chloride content To use as basis the standard Determination: EN 16195	
28.	**European Standard: Plant biostimulants - Determination of specific elements**	**Determination of the cadmium and lead content** To use as basis the standards Extraction: by aqua regia EN 13650 or EN 16964 Determination: EN 16319 (Cd/Pb) or EN 16170 or EN 16963 or EN 16317 or ISO 11885	01 April 2024
		Determination of the nickel content To use as basis the standards Extraction: by aqua regia EN 13650 Determination: ISO 11885 or EN 16319	
		Determination of the mercury content To use as basis the standard: EN 16320 or EN 16175-1	
		Determination of the copper and zinc	

		content To use as basis the standards Extraction: by aqua regia EN 13650 Determination: EN 16319 (Cd/Pb) or EN 16170 or EN 16963 or EN 16317 or ISO 11885	
		Determination of the total chromium content To use as basis the standards: Extraction: by aqua regia EN 13650 Determination: ISO 11885 or EN 16319	
29.	**European Standard: Plant biostimulants - Determination of inorganic arsenic**	**Determination of the inorganic arsenic content** To be developed	01 April 2024
30.	**European Standard: Plant biostimulants - Determination of phosphonates**	**Determination of the phosphonates content** To be developed	01 April 2024
31.	**European Standard: Plant biostimulants - Determination of chromium VI**	**Determination of the chromium VI content** To use as basis the standards: EN 15192 or ISO 17075-2	01 April 2024
32.	**European Standard: Microbial plant biostimulants – Detection of *Salmonella* spp**	**Detection of *Salmonella* spp** To use as basis standard: EN ISO 6579 or CEN/TR 15215	01 April 2024
33.	**European Standard: Microbial plant biostimulants –**	**Detection of *Escherichia coli*** To use as basis standards: ISO 16649-2 or EN ISO 9308-3	01 April 2024

	Detection of *Escherichia coli*		
34.	**European Standard: Microbial plant biostimulants – Detection of *Enterococcaceae***	**Detection of *Enterococcaceae*** To use as basis standards: EN 15788 or EN ISO 7899-2 or EN ISO 7899-1 or BEA method	01 April 2024
35.	**European Standard: Microbial plant biostimulants – Detection of *Listeria monocytogenes***	**Detection of *Listeria monocytogenes*** To use as basis standard: EN ISO 11290-1	01 April 2024
36.	**European Standard: Microbial plant biostimulants – Detection of *Vibrio* spp**	**Detection of *Vibrio* spp** To use as basis standard: EN ISO 21872-1	01 April 2024
37.	**European Standard: Microbial plant biostimulants – Detection of *Shigella* spp**	**Detection of *Shigella* spp** To use as basis standard: ISO 21567	01 April 2024
38.	**European Standard: Microbial plant biostimulants – Detection of *Staphylococcus aureus***	**Detection of *Staphylococcus aureus*** To use as basis standard: ISO 6888 (all parts)	01 April 2024
39.	**European Standard: Microbial Plant biostimulants – Determination of the anaerobic plate count**	**Determination of the anaerobic plate count** To be developed	01 April 2024
40.	**European**	**Determination of the yeast and mould**	01 April 2024

	Standard: Microbial Plant biostimulants – Determination of yeast and mould	**content** To use as basis standards: ISO 21527-1 or ISO 21527-2	
41.	**European Standard: Microbial Plant biostimulants – Determination of *Azotobacter* spp**	**Determination of *Azotobacter* spp** To be developed	01 April 2024
42.	**European Standard: Microbial Plant biostimulants – Determination of mycorrhizal fungi**	**Determination of mycorrhizal fungi** To be developed	01 April 2024
43.	**European Standard: Microbial Plant biostimulants – Determination of *Rhizobium* spp**	**Determination of *Rhizobium* spp** To be developed	01 April 2024
44.	**European Standard: Microbial Plant biostimulants – Determination of *Azospirillum* spp**	**Determination of *Azospirillum* spp** To be developed	01 April 2024
45.	**European Standard: Microbial plant biostimulants- Determination of the microorganisms concentration**	**Determination of the microorganisms concentration** To be developed	01 April 2024
46.	**European Standard: Microbial plant**	**Determination of the pH for liquids** To be developed	01 April 2024

	biostimulants- Determination of the pH for liquids		
47.	**European Standard: Plant biostimulants – Determination of quantity**	**Determination of quantity (indicated by mass or volume)** To use as basis the standard: EN 12580 or EN 15238 or EN 15761	01 April 2024
48.	**European Standard: Plant biostimulants – Determination of dry matter**	**Determination of dry matter** To be developed To use as basis the standards: EN 15934 and ISO 11465	01 April 2024
49.	**European Standard: Plant biostimulants – Determination of chloride**	**Determination of the chloride content** To use as basis the standard: EN 16195 and NF U42-371 or EN ISO 10304-1	01 April 2024
50.	**European Standard: Fertilising products – Stability of chelating and complexing agents**	**Determination of the stability of chelating agents** To be developed	01 April 2024
		Determination of the stability of complexing agents To be developed	
51.	**European Standard: Compost and digestate properties when used in fertilising products**	**Determination of the PAH_{16} content in compost and digestate** To use as basis standard: EN 16181	01 April 2024
		Determination of the content of macroscopic impurities (glass, metal, plastics) above 2mm in compost and digestate To use as basis technical specification: CEN TS/16202	
		Determination of temperature and time profile during composting and digestion To be developed	
		Determination of the oxygen uptake rate in	

		compost and digestate To use as basis standard: EN 16087-1	
		Determination of the self-heating factor in compost To use as basis standard: EN 16087-2	
		Determination of the residual biogas potential in digestate To use as basis British standard: OFW004-004	
52.	**European Standard on Nutrient polymers properties when used in fertilising products**	**Determination of the solubility of nutrient polymers in phosphate buffer solution with pH 7,5 at 100 ^{o}C** To be developed	01 April 2024
		Determination of the final degradation products of nutrient polymers To be developed	
		Determination of the free formaldehyde content in nutrient polymers To be developed	
53.	**European Standard: Fertilising products – Demonstration of efficacy of inhibitors**	**Demonstration of the efficacy of nitrification inhibitors** To be developed	01 April 2024
		Demonstration of the efficacy of denitrification inhibitors To be developed	
		Demonstration of the efficacy of urease inhibitors To be developed	
54.	**European Standard: Plant biostimulants – Claims – Nutrient use efficiency**	**Nutrient use efficiency** To be developed	01 April 2024
55.	**European Standard: Plant**	**Tolerance to abiotic stress** To be developed	01 April 2024

	biostimulants – Claims – Tolerance to abiotic stress		
56.	**European Standard: Plant biostimulants – Claims – Quality traits**	**Quality traits** To be developed	01 April 2024
57.	**European Standard: Plant biostimulants – Claims – Availability of confined nutrients in the soil and rhizosphere**	**Availability of confined nutrients in the soil or rhizosphere** To be developed	01 April 2024
58.	**European Standard: Fertilising products - Determination of possible air quality impacts when urea is present**	**Determination of possible air quality impacts when urea is present** To be developed	01 April 2024

Table 2. List of harmonised standards to be drafted in support of the harmonised standards listed in Table 1 of this Annex, and deadlines for their adoption

No	**Title and reference information**	**Deadline for adoption by CEN**
1.	**European Standard: Inorganic fertilisers, Liming materials and Inhibitors - Sampling methods and sample preparation** To use as basis standards: EN 1482-1EN 1482-2, EN 1482-3	01 April 2024
2.	**European Standard: Organic fertilisers - Sampling methods and sample preparation** To be developed	01 April 2024
3.	**European Standard: Organo-mineral fertilisers - Sampling**	01 April 2024

	methods and sample preparation To be developed	
4.	**European Standard: Growing media and soil improvers - Sampling methods and sample preparation** To use as basis standards: EN 12579 or EN 13040	01 April 2024
5.	**European Standard: Growing media and soil improvers - Terminology** To use as basis standards: EN 12579 or EN 13040	01 April 2024
6.	**European Standard: Plant biostimulants – Sampling methods and sample preparation** To be developed	01 April 2024
7.	**European Standard: Microbial plant biostimulants – Preparation of sample for microbial analysis** To be developed	01 April 2024
8.	**European Standard: Plant Biostimulants – Terminology** To be developed	01 April 2024
9.	**European Standard: Plant Biostimulants – Claims – General Principles** To be developed	01 April 2024

Table 3. List of new European standardisation deliverables to be drafted, and deadlines for their adoption

Technical Specifications:

No	**Title of technical specification**	**Requirements and reference information to be covered by the standard**	**Deadline for adoption by CEN**
1.	**Technical Specification: Organic and Organo-mineral fertilisers – Determination of specific elements**	**Determination of the cadmium, nickel and lead content** To use as basis the standards Extraction: EN 13650 Determination: EN 16319 (for Cd/Ni/Pb) or EN 13650 or ISO 11885 or ICP - MS or ICP-OES method	01 April 2022
		Determination of the inorganic arsenic content	

		To use as basis the standards: Extraction : EN 13650 Determination : EN 16317 or ISO 11885 or ICP - MS or ICP-OES method or HPLC	
		Determination of the total P_2O_5, K_2O, MgO, CaO and Na_2O content To use as basis the standards Extraction: EN 13650 or EN 16174 Determination**:** ISO 11885 or CEN/TS 16170 or CEN/TS 16171	
		Determination of the copper and zinc content To use as basis the standards Extraction: EN 13650 Determination: ISO 11885	
		Determination of the total SO_3 content To use as basis the standards Extraction: EN 15925 Determination: EN 15749 or Extraction: EN 13650 Determination: ISO 11885	
		Determination of the water-soluble MgO, CaO, Na_2O content To use as basis the standards Extraction: EN 15961 Determination: ISO 11885	
		Determination of the water-soluble SO_3 content To use as basis the standards Extraction: EN 15926 Determination: EN 15749 or ISO 11885	
		Determination of the total chromium content To use as basis the standards:	

		Extraction : EN 13650 Determination : EN 16319 or ISO 11885 or ICP – MS or ICP-OES method	
		Determination of the water-soluble P_2O_5 content (only for organo-mineral fertilisers) To use as basis standards Extraction: EN 15958 Determination: ISO 11885 or EN 15959	
		Determination of the neutral ammonium citrate soluble P_2O_5 content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 15957 Determination: ISO 11885 or EN 15959	
		Determination of the formic acid soluble P_2O_5 content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 15919 Determination: ISO 11885 or EN 15959	
		Determination of the water-soluble K_2O content (only for organo-mineral fertilisers) To use as basis the standard: EN 15477	
		Determination of the total boron content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination: ISO 11885 or ICP MS procedure	
		Determination of the total cobalt content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination**:** ISO 11885 or ICP MS procedure	

		Determination of the total iron content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination: ISO 11885 or ICP-MS procedure	
		Determination of the total manganese content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination: ISO 11885 or ICP-MS procedure	
		Determination of the total molybdenum content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 13650 Determination: ISO 11885 or ICP-MS procedure	
		Determination of the water-soluble boron content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP-MS procedure	
		Determination of the water-soluble cobalt content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP-MS procedure	
		Determination of the water-soluble copper content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 16962	

		Determination: EN 16963 or EN 16965 or ISO 11885 or ICP-MS procedure	
		Determination of the water-soluble iron content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885) or ICP MS procedure	
		Determination of the water-soluble manganese content (only for organo-mineral fertilisers) To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP-MS method	
		Determination of the water-soluble molybdenum content (only for organo-mineral fertilisers) To use as basis the standards: Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP-MS procedure	
		Determination of the water-soluble zinc content (only for organo-mineral fertilisers) To use as basis the standards: Extraction: EN 16962 Determination: EN 16963 or EN 16965 or ISO 11885 or ICP-MS procedure	
2.	**Technical Specification: Organic and Organo-mineral fertilisers –**	**Determination of the phosphonates content** To be developed	01 April 2022

	Determination of phosphonates		
3.	**Technical Specification: Organic and Organo-mineral fertilisers – Determination of chromium VI**	**Determination of the chromium VI content** To use as basis the standard: EN 15192 or EN 16318 or EN ISO 17075-2 or ICP-MS or ICP-OES method	01 April 2022
4.	**Technical Specification: Organic and Organo-mineral fertilisers – Determination of biuret**	**Determination of the biuret content** To use as basis the standard: ISO 18643	01 April 2022
5.	**Technical Specification: Organic and Organo-mineral fertilisers – Determination of mercury**	**Determination of the mercury content** To use as basis the standards: EPA method 7473 with EN 13040 for the preparatory phase or EN 16320 or ISO 16772 or ICP - MS or ICP-OES method	01 April 2022
6.	**Technical Specification: Organic and Organo-mineral fertilisers– Detection of specific pathogens**	**Detection of *Salmonella* spp** To use as basis the standard: EN ISO 6579 or CEN/TR 15215	01 April 2022
		Detection of *Escherichia coli* To use as basis the standards: FD/CEN TR 16193-B or NF EN ISO 16649-2	
		Detection of *Enterococcaceae* To use as basis the standards: EN ISO 7899-1 or EN 15788 or BEA method	
7.	**Technical Specification: Organic and**	**Determination of the total nitrogen content** To use as basis the standards: EN 13654-2 or EN 13654-1 or NEN 7438 or EN 15561	01 April 2022

	organo-mineral fertilisers– Determination of nitrogen content	**Determination of the ammoniacal nitrogen content** To use s a basis the standards: EN 15604 or EN 16652 or EN 13651	
		Determination of the nitric nitrogen content (only for organo-mineral) To use as basis the standard :EN 15604	
		Determination of the urea nitrogen content (only for organo-mineral) To use as basis the standard :EN 15604	
		Determination of the organic nitrogen content To be developed	
8.	**Technical Specification: Organic and Organo-mineral fertilisers – Determination of specific parameters**	**Determination of the dry matter content** To use as a basis the standard: EN 13040 or VDLUFA method or ISO/DIS 19745	01 April 2022
		Determination of the organic carbon content To use as a basis the standard: EN 15936 or VDLUFA method	
9.	**Technical Specification: Organic and Organo-mineral fertilisers- Determination of the chloride content**	**Determination of the chloride content** To be developed	01 April 2022
10.	**Technical Specification: Organic and Organo-mineral fertilisers- Determination of the quantity**	**Determination of the quantity (indicated by mass or volume)** To be developed	01 April 2022
11.	**Technical Specification:**	**Description of the physical unit**	01 April 2022

	Organic and organo-mineral fertilisers – Description of the physical unit	To be developed	
12.	**Technical Specification: Organo-mineral fertilisers - Determination of the nitrogen content as a result of ammonium nitrate**	**Determination of the nitrogen content as a result of ammonium nitrate** To be developed	01 April 2022
13.	**Technical Specification: Organo-mineral fertilisers – Determination of chelating and complexing agents**	**Determination of the fraction of chelated micronutrients** To use as basis the standard: Determination: EN 13366	01 April 2022
		Identification of chelating agents To use as basis the standards: Determination: EN 13368-1 or EN 13368-2 or EN 13368-3 or EN 15451 or EN 15452 or EN 15950	
		Determination of the fraction of complexed micronutrients To use as basis the standard: Determination: EN 15962	
		Identification of complexing agents To use as basis the standards: Determination: EN 16109 or EN 16847	
14.	**Technical Specification: Organo-mineral fertilisers – Determination of specific**	**Determination of the nitrification inhibitor content** To use as basis the standards: Determination: EN 15360 or EN 16328 or EN 16024 or EN 15905 or EN 17090	01 April 2022
		Determination of the denitrification	

	inhibitors	**inhibitor content** To be developed	
		Determination of the urease inhibitor content To use as basis the standards: Determination: EN 15688 or EN 16075	
15.	**Technical Specification: Inorganic fertilisers – Determination of specific contaminants**	**Determination of the mercury content** To use as basis the standard: EN 16320 or ICP - MS or ICP-OES or EPA methods	01 April 2022
		Determination of the cadmium, nickel, arsenic and lead content To use as basis the standards: EN 14888 or EN 16319 or EN 16317 or ICP-MS or ICP-OES method	
		Determination of the chromium VI content To use as basis the standard: EN 16318 or ICP-MS or ICP-OES method	
		Determination of the biuret content To use as basis the standard: EN 15479 or ISO 18643	
		Determination of the perchlorate content To use as basis the standard: EN 17496 or EN 17246	
		Determination of the total chromium content To use as a basis the standard: EN 16319	
16.	**Technical Specification: Inorganic fertilisers – Determination of specific nutrients**	**Determination of the total nitrogen content** To use as basis the standards: EN 15560 or EN 15561 or EN 15478 or EN 15750	01 April 2022
		Determination of the ammoniacal nitrogen content To use as basis the standard: EN 15475	
		Determination of the nitric nitrogen content To use as basis the standards: EN 15604 or EN 15476	

		Determination of the urea nitrogen content To use as basis the standard: EN 15604 (not validated for products containing cyanamide nitrogen)	
		Determination of the content of nitrogen from urea formaldehyde, isobutylidenediurea and crotonylidenediurea To use as basis the standard: EN 15705	
		Determination of the cyanamide nitrogen content To use as basis the standards: EN 15562 or EN 15604 or EN 15560 or EN 15561	
		Determination of the methylene-urea nitrogen content To use as basis the standard: EN 15478	
		Determination of the total P_2O_5 content To use as basis the standards Extraction: EN 15956 Determination: EN 15959	
		Determination of the water-soluble P_2O_5 content To use as basis the standards Extraction: EN 15958 Determination: EN 15959	
		Determination of the neutral ammonium citrate soluble P_2O_5 content To use as basis standards Extraction: EN 15957 Determination: EN 15959	
		Determination of the formic acid soluble P_2O_5 content To use as basis the standards Extraction: EN 15919 Determination: EN 15959	

		Determination of the total K_2O content To use as basis the standard Extraction: ISO 7407 (and to develop the analytical part for determination)	
		Determination of the water-soluble K_2O content To use as basis the standard Determination: EN 15477	
		Determination of the total MgO content To use as basis the standards Extraction: EN 15960 Determination: EN 16197 or EN 16198	
		Determination of the water-soluble MgO content To use as basis the standards Extraction: EN 15961 Determination: EN 16107 or EN 16198 or ICP-MS method	
		Determination of the total CaO content To use as basis the standards Extraction: EN 15960 Determination: EN 16196 or ICP-MS method	
		Determination of the water-soluble CaO content To use as basis the standards Extraction: EN 15961 Determination: EN 16196 or ICP-MS method	
		Determination of the total SO_3 content To use as basis the standards Extraction: EN 15960 or EN 15925 Determination: EN 15749	
		Determination of the water-soluble SO_3 content To use as basis the standards	

		Extraction: EN 15961 or EN 15926 Determination: EN 15749	
		Determination of the total Na_2O content To use as basis the standards Extraction: EN 15960 Determination: EN 16199	
		Determination of the water-soluble Na_2O content To use as basis the standards Extraction: EN 15961 Determination: EN 16199 or ISO 11885 or ICP method	
17.	**Technical Specification: Inorganic fertilisers – Determination of specific parameters in ammonium nitrate fertilisers of high nitrogen content**	**Determination of the nitrogen content as a result of ammonium nitrate** To use as basis the standard: EN 15476 or ISO 11855 or EN 1699	01 April 2022
		Determination of the combustible ingredient content To use as basis method 3 of Annex III to Regulation (EC) 2003/2003	
		Determination of pH of a solution To use as basis method 4 of Annex III to Regulation (EC) 2003/2003	
		Determination of particle size To use as basis method 5 of Annex III to Regulation (EC) 2003/2003	
		Determination of the chloride content To use as basis method 6 of Annex III to Regulation (EC) 2003/2003	
		Determination of the copper content To use as basis method 7 of Annex III to Regulation (EC) 2003/2003	
18.	**Technical Specification: Inorganic fertilisers - Determination**	**Determination of the total boron content** To use as basis standards Extraction: EN 16964 Determination: EN 16963 or EN 17042 or EN	01 April 2022

	of specific micronutrients, chelating and complexing agents	17041 or ICP-MS method	
		Determination of the total cobalt content To use as basis the standards Extraction: EN 16964 Determination: EN 16963 or EN 16965	
		Determination of the total copper and zinc content To use as basis the standards Extraction: EN 16964 Determination: EN 16963 or EN 16965	
		Determination of the total iron content To use as basis the standards Extraction: EN 16964 Determination : EN 16963 or EN 16965	
		Determination of the total manganese content To use as basis the standards Extraction: EN 16964 Determination: EN 16963 or EN 16965	
		Determination of the total molybdenum content To use as basis the standards Extraction: EN 16964 Determination: EN 16963 or EN 17043	
		Determination of the water-soluble boron content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 17042 or EN 17041	
		Determination of the water-soluble cobalt content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965 or EN	

		16962	
		Determination of the water-soluble copper content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965	
		Determination of the water-soluble iron content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965	
		Determination of the water-soluble manganese content To use as basis standards Extraction: EN 16962 Determination: EN 16963 or EN 16965	
		Determination of the water-soluble molybdenum content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 17043 or EN 17060	
		Determination of the water-soluble zinc content To use as basis the standards Extraction: EN 16962 Determination: EN 16963 or EN 16965	
		Determination of the sum of declared micronutrients in compound micronutrient fertilisers Sum of the micronutrients present determined by using the methods developed under the relevant points	
		Determination of the fraction of chelated micronutrients To be developed	

		or To use as basis the standard EN 13366	
		Identification of chelating agents To use as basis the standards Determination: EN 13368-1 or EN 13368-2 or EN 13368-3 or EN 15451 or EN 15452 or EN 15950	
		Determination of the fraction of complexed micronutrients To use as basis the standard Determination: EN 15962	
		Identification of complexing agents To use as basis the standards Determination: EN 16109 or EN 16847	
19.	**Technical Specification: Inorganic fertilisers - Determination of specific inhibitors**	**Determination of the nitrification inhibitor content** To use as basis the standards Determination: EN 15360 or EN 16328 or EN 16024 or EN 15905	01 April 2022
		Determination of the denitrification inhibitor content To be developed	
		Determination of the urease inhibitor content To use as basis the standards Determination: EN 15688 or EN 16075	
20.	**European Standard: Inorganic fertilisers and liming materials - Determination of chloride**	**Determination of the chloride content** To use as a basis the standard: EN 16195 or a potentiometric method	01 April 2022
21.	**Technical Specification: Inorganic**	**Determination of the quantity (indicated by mass or volume)** To be developed	01 April 2022

	fertilisers and Inhibitors- Determination of specific parameters	**Determination of the phosphonates content** To be developed	
		Determination of the granulometry (only for inorganic fertilisers) To use as basis the standards Determination: EN 1235 or EN 1235/A1 or EN 15928 or EN 15924	
		Determination of the organic carbon content (only for inorganic fertilisers) To be developed	
		Description of the physical unit (only for inorganic fertilisers) To use as basis standards: Vocabulary : EN 12944-1, EN 12944-2, EN 12944-3	
22.	**Technical Specification: Inorganic fertilisers – Detection of specific pathogens**	**Detection of *Salmonella* spp** To use as basis the standard: EN ISO 6579 or CEN/TR 15215	01 April 2022
		Detection of *Escherichia coli* To use as basis the standards: FD/CEN TR 16193-B or EN ISO 16649-2	
		Detection of *Enterococcaceae* To use as basis the standards: EN ISO 7899-1 or EN 15788 or BEA method	
23.	**Technical Specification: Liming materials - Determination of specific contaminants, physical and chemical properties**	**Determination of the cadmium content** To use as basis the standards: EN 16319 or EN 16964 or EN 16963	01 April 2022
		Determination of the nickel and lead content To use as basis the standards: EN 16319, EN 16964 or EN 16963 or EN 16317 or EN 16318 or 16320	
		Determination of the chromium VI content To use as basis the standards: EN 16318 or EN 16317 or EN 16319 or 16320	
		Determination of the mercury content	

		To use as basis the standard: EN 16320 or EN 16317 or EN 16318 or 16319	
		Determination of the arsenic content To use as basis the standards: EN 16317, EN 16964 or EN 16963	
		Determination of the total chromium content To use as basis the standards: EN 16964 or EN 16963	
		Determination of phosphonates content To be developed	
		Determination of the neutralising value To use as basis standards: EN 12945 or EN 13971 or EN 14984 or EN 16357	
		Determination of the reactivity To use as basis standards: EN 13971 or EN 14984 or EN 16357	
		Determination of the grain size To be developed	
		Determination of the granulometry To use as basis standard: EN 12948	
		Determination of the total CaO content To use as basis the standards: EN 13475 or EN 12946	
		Determination of the total MgO content To use as basis the standards: EN 12947 or EN 12946	
		Determination of quantity (indicated by mass or volume) To be developed	
		Determination of the copper and zinc content To use as a basis the standards: EN 16964 or EN 16963	
24.	**Technical**	**Determination of the cadmium, lead and**	01 April 2022

	Specification: Soil improvers and Growing media – Determination of specific contaminants	**nickel content** To use as basis the standards Extraction: EN 13650 or EN 16964 Determination: ISO 11885 or EN 16319 or EN 16963	
		Determination of the chromium VI content To use as basis the standards: EN 15192 or ISO 17075-2	
		Determination of the mercury content To use as basis the standard: ISO 16772	
		Determination of the inorganic arsenic content To use as basis the standards: Extraction: EN 13650 Determination: EN 16317	
		Determination of the phosphonates content To be developed	
		Determination of the total chromium content To use as basis the standard: EN 13650	
25.	**Technical Specification: Organic soil improvers and Growing media– Detection of specific pathogens**	**Detection of *Salmonella* spp** To use as basis the standard: EN ISO 6579 or CEN/TR 15215	01 April 2022
		Detection of *Escherichia coli* To use as basis the standards: ISO 16649-2 or EN ISO 9308-3 or CEN/TR 16193	
		Detection of *Enterococcaceae* To use as basis the standards: EN 15788 or EN ISO 7899-1 or BEA method	
26.	**Technical Specification: Soil improvers – Determination**	**Determination of the dry matter content** To use as basis the standard: EN 13040	01 April 2022
		Determination of the nitrogen content To use as basis the standards: EN 13654-1 or	

	of specific parameters	EN 13654-2	
		Determination of the P_2O_5 and K_2O content To use as basis the standard: EN 13650	
		Determination of the total copper and zinc content To use as basis the standard: EN 13650	
		Determination of quantity (indicated by mass or volume) To use as basis the standards: EN 12580 or EN 15238	
		Determination of the chloride content To use as basis the standard Determination: EN 16195	
27.	**Technical Specification: Organic soil improvers - Determination of specific parameters**	**Determination of the organic carbon content** To use as basis the standard: EN 15936	01 April 2022
		Determination of pH To use as basis standard: EN 13037	
		Determination of electrical conductivity To use as basis the standard: EN 13038	
		Determination of the organic nitrogen content To be developed	
28.	**Technical Specification: Growing media – Determination of specific parameters**	**Determination of the electrical conductivity** To use as basis the standard: EN 13038	01 April 2022
		Determination of pH To use as basis standard: EN 13037	
		Determination of dry matter To be developed	
		Determination of the nitrogen, P_2O_5 and K_2O content extractable by $CaCl_2$/DTPA To use as basis the standard: EN 13651	
		Determination of the total copper and zinc content	

		To use as basis the standard: EN 13650	
		Determination of quantity To use as basis the standard: EN 12580 or EN 15238 or EN 15761	
		Determination of the chloride content To use as basis the standard Determination: EN 16195	
29.	**Technical Specification: Plant biostimulants - Determination of specific elements**	**Determination of the cadmium and lead content** To use as basis the standards Extraction: by aqua regia EN 13650 or EN 16964 Determination: EN 16319 (Cd/Pb) or EN 16170 or EN 16963 or EN 16317 or ISO 11885	01 April 2022
		Determination of the nickel content To use as basis the standards Extraction: by aqua regia EN 13650 Determination: ISO 11885 or EN 16319	
		Determination of the mercury content To use as basis the standard: EN 16320 or EN 16175-1	
		Determination of the copper and zinc content To use as basis the standards Extraction: by aqua regia EN 13650 Determination: EN 16319 (Cd/Pb) or EN 16170 or EN 16963 or EN 16317 or ISO 11885	
		Determination of the total chromium content To use as basis the standards: Extraction: by aqua regia EN 13650 Determination: ISO 11885 or EN 16319 (Cd/Pb)	
30.	**Technical Specification: Plant**	**Determination of the inorganic arsenic content**	01 April 2022

	biostimulants - Determination of inorganic arsenic	To be developed	
31.	**Technical Specification: Plant biostimulants - Determination of phosphonates**	**Determination of the phosphonates content** To be developed	01 April 2022
32.	**Technical Specification: Plant biostimulants - Determination of chromium VI**	**Determination of the chromium VI content** To use as basis the standards: EN 15192 or ISO 17075-2	01 April 2022
33.	**Technical Specification: Microbial plant biostimulants – Detection of *Salmonella* spp**	**Detection of *Salmonella* spp** To use as basis standard: EN ISO 6579 or CEN/TR 15215	01 April 2022
34.	**Technical Specification: Microbial plant biostimulants – Detection of *Escherichia coli***	**Detection of *Escherichia coli*** To use as basis standards: ISO 16649-2 or EN ISO 9308-3	01 April 2022
35.	**Technical Specification: Microbial plant biostimulants – Detection of *Enterococcaceae***	**Detection of *Enterococcaceae*** To use as basis standards: EN 15788 or EN ISO 7899-2 or EN ISO 7899-1 or BEA method	01 April 2022
36.	**Technical Specification: Microbial plant biostimulants – Detection of *Listeria monocytogenes***	**Detection of *Listeria monocytogenes*** To use as basis standard: EN ISO 11290-1	01 April 2022

37.	**Technical Specification: Microbial plant biostimulants – Detection of *Vibrio* spp**	**Detection of *Vibrio* spp** To use as basis standard: EN ISO 21872-1	01 April 2022
38.	**Technical Specification: Microbial plant biostimulants – Detection of *Shigella* spp**	**Detection of *Shigella* spp** To use as basis standard: ISO 21567	01 April 2022
39.	**Technical Specification: Microbial plant biostimulants – Detection of *Staphylococcus aureus***	**Detection of *Staphylococcus aureus*** To use as basis standard: ISO 6888 (all parts)	01 April 2022
40.	**Technical Specification: Microbial Plant biostimulants – Determination of the anaerobic plate count**	**Determination of the anaerobic plate count** To be developed	01 April 2022
41.	**Technical Specification: Microbial Plant biostimulants – Determination of the yeast and mould**	**Determination of the yeast and mould content** To use as basis standards: ISO 21527-1 or ISO 21527-2	01 April 2022
42.	**Technical Specification: Microbial Plant biostimulants – Determination of *Azotobacter* spp**	**Determination of *Azotobacter* spp** To be developed	01 April 2022
43.	**Technical Specification: Microbial Plant biostimulants –**	**Determination of mycorrhizal fungi** To be developed	01 April 2022

	Determination of mycorrhizal fungi		
44.	**Technical Specification: Microbial Plant biostimulants – Determination of *Rhizobium* spp**	**Determination of *Rhizobium* spp** To be developed	01 April 2022
45.	**Technical Specification: Microbial Plant biostimulants – Determination of *Azospirillum* spp**	**Determination of *Azospirillum* spp** To be developed	01 April 2022
46.	**Technical Specification: Microbial plant biostimulants- Determination of the microorganisms concentration**	**Determination of the microorganisms concentration** To be developed	01 April 2022
47.	**Technical Specification: Microbial plant biostimulants- Determination of the pH for liquids**	**Determination of the pH for liquids** To be developed	01 April 2022
48.	**Technical Specification: Plant biostimulants – Determination of quantity**	**Determination of quantity (indicated by mass or volume)** To use as basis the standard: EN 12580 or EN 15238 or EN 15761	01 April 2022
49.	**Technical Specification: Plant biostimulants – Determination of dry matter**	**Determination of dry matter** To be developed To use as basis the standards: EN 15934 and ISO 11465	01 April 2022

50.	**Technical Specification: Plant biostimulants – Determination of chloride**	**Determination of the chloride content** To use as basis the standard: EN 16195 and NF U42-371 or EN ISO 10304-1	01 April 2022
51.	**Technical Specification: Fertilising products – Stability of chelating and complexing agents**	**Determination of the stability of chelating agents** To be developed	01 April 2022
		Determination of the stability of complexing agents To be developed	
52.	**Technical Specification: Compost and digestate properties when used in fertilising products**	**Determination of the PAH_{16} content in compost and digestate** To use as basis standard: EN 16181	01 April 2022
		Determination of the content of macroscopic impurities (glass, metal, plastics) above 2mm in compost and digestate To use as basis technical specification: CEN TS/16202	
		Determination of temperature and time profile during composting and digestion To be developed	
		Determination of the oxygen uptake rate in compost and digestate To use as basis standard: EN 16087-1	
		Determination of the self-heating factor in compost To use as basis standard: EN 16087-2	
		Determination of the residual biogas potential in digestate To use as basis British standard: OFW004-004	
53.	**Technical Specification: Nutrient polymers properties when used in**	**Determination of the solubility of nutrient polymers in phosphate buffer solution with pH 7,5 at 100 ^{o}C** To be developed	01 April 2022
		Determination of the final degradation	

	fertilising products	**products of nutrient polymers** To be developed	
		Determination of the free formaldehyde content in nutrient polymers To be developed	
54.	**Technical Specification: Fertilising products – Demonstration of efficacy of inhibitors**	**Demonstration of the efficacy of nitrification inhibitors** To be developed	01 April 2022
		Demonstration of the efficacy of denitrification inhibitors To be developed	
		Demonstration of the efficacy of urease inhibitors To be developed	
55.	**Technical Specification: Plant biostimulants – Claims – Nutrient use efficiency**	**Nutrient use efficiency** To be developed	01 April 2022
56.	**Technical Specification: Plant biostimulants – Claims – Tolerance to abiotic stress**	**Tolerance to abiotic stress** To be developed	01 April 2022
57.	**Technical Specification: Plant biostimulants – Claims – Quality traits**	**Quality traits** To be developed	01 April 2022
58.	**Technical Specification: Plant biostimulants – Claims – Availability of confined**	**Availability of confined nutrients in the soil or rhizosphere** To be developed	01 April 2022

	nutrients in the soil and rhizosphere		
59.	**Technical Specification: Fertilising products - Determination of possible air quality impacts when urea is present**	**Determination of possible air quality impacts when urea is present** To be developed	01 April 2022
60.	**Technical Specification: Inorganic fertilisers, Liming materials and Inhibitors - Sampling methods and sample preparation**	**Inorganic fertilisers, Liming materials and Inhibitors - Sampling methods and sample preparation** To use as basis standards: EN 1482-1EN 1482-2, EN 1482-3	01 April 2022
61.	**Technical Specification: Organic fertilisers - Sampling methods and sample preparation**	**Organic fertilisers - Sampling methods and sample preparation** To be developed	01 April 2022
62.	**Technical Specification: Organo-mineral fertilisers - Sampling methods and sample preparation**	**Organo-mineral fertilisers - Sampling methods and sample preparation** To be developed	01 April 2022
63.	**Technical Specification: Growing media and soil improvers - Sampling**	**Growing media and soil improvers - Sampling methods and sample preparation** To use as basis standards: EN 12579 or EN 13040	01 April 2022

	methods and sample preparation		
64.	**Technical Specification: Growing media and soil improvers - Terminology**	**Growing media and soil improvers - Terminology** To use as basis standards: EN 12579 or EN 13040	01 April 2022
65.	**Technical Specification: Plant biostimulants – Sampling methods and sample preparation**	**Plant biostimulants – Sampling methods and sample preparation** To be developed	01 April 2022
66.	**Technical Specification: Microbial plant biostimulants – Preparation of sample for microbial analysis**	**Microbial plant biostimulants – Preparation of sample for microbial analysis** To be developed	01 April 2022
67.	**Technical Specification: Plant Biostimulants – Terminology**	**Plant Biostimulants – Terminology** To be developed	01 April 2022
68.	**Technical Specification: Plant Biostimulants – Claims – General Principles**	**Plant Biostimulants – Claims – General Principles** To be developed	01 April 2022

ANNEX II

Requirements for the standards referred to in Article 1

Part A. General requirements

(1) The harmonised standards and the European standardisation deliverables, or parts thereof, shall provide detailed technical specifications of requirements or test methods with the purpose of allowing analysis and verifying compliance of EU fertilising products with relevant requirements referred to in Article 4(1) of Regulation (EU) 2019/1009 and set out in Annexes I, II and III to that Regulation. The structure of a standard and a European standardisation deliverable shall be such that a clear distinction can be made between its clauses and sub-clauses, which are necessary for compliance with the relevant requirements and those which are not. The requirements shall be taken into account from the beginning and throughout the entire process of developing of standards and European standardisation deliverables.

(2) CEN shall include in each harmonised standard a clear and precise description of the relationship between its content and the corresponding requirements set out in Annexes I, II and III to Regulation (EU) 2019/1009 that it aims to cover. Each harmonised standard developed on the basis of the request referred to in Article 1 of this Decision shall refer to this Decision.

(3) CEN shall provide the Commission with the titles of the requested harmonised standards in all the official languages of the Union.

(4) When a harmonised standard or a European standardisation deliverable covering a requirement cannot be used for technical reasons to some categories of products for which this requirement is provided, it shall indicate those products that are not covered by it. When a harmonised standard or a European standardisation deliverable does not cover all the test methods required to demonstrate compliance with certain requirements, it shall indicate those test methods that are not covered by it. When a harmonised standard or a European standardisation deliverable contains test methods or technical specifications, which do not support the demonstration of compliance of the EU fertilising products with the requirements set out in Annexes I, II and III to Regulation (EU) 2019/1009, such test methods or technical specifications shall be clearly distinguished from the tests or specifications supporting the requirements.

(5) The standards and the European standardisation deliverables shall not provide any additional requirements to the requirements set out in Annexes I, II and III to Regulation (EU) 2019/1009.

(6) CEN shall ensure that the provisions of Regulation (EU) 2019/1009 are not altered by the technical specifications in harmonised standards or European standardisation deliverables.

(7) When developing the harmonised standards and the European standardisation deliverables requested in Annex I to this Decision, CEN shall take into account the fact that EU fertilising products belonging to products function categories (PFCs) 1 to 6 in Annex I to Regulation (EU) 2019/1009 could be used to formulate a blend as provided in PFC 7 of that Regulation. The methods developed for PFCs 1 to 6 shall provide reliable results even if used for testing a blend. The harmonised standards and the European standardisation deliverables shall indicate when a specific standard or European standardisation deliverable cannot be used as such in case of a blend.

(8) The harmonised standards and the European standardisation deliverables shall reflect the generally acknowledged state of art.

(9) CEN shall ensure that the reproducibility and reliability of the tests for quantitative and qualitative analysis, except environmental tests, are assessed in relevant inter-laboratory tests. These tests shall be carried out on multiple samples for each relevant type of existing EU fertilising product.

(10) Harmonised standards and European standardisation deliverables shall also reflect the technical and human capacities of the laboratories that will be entrusted with conformity assessment and market surveillance duties.

(11) Harmonised standards and European standardisation deliverables shall not prevent innovation and therefore several alternative test methods shall be referred to therein where such alterative test methods are available. By doing so, CEN shall verify the equivalence of the different methods in their capacity to demonstrate the compliance of products to a given requirement.

Part B. Specific requirements

1. Standards on organic fertilisers in Annex I

The harmonised standards shall describe the test methods to be applied for verifying the conformity of organic fertilisers with the requirements set out in Regulation (EU) 2019/1009. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	**Reference to provisions**
Organic fertilisers - Determination of the mercury content	Annex I, Part II, PFC 1(A), point 2(c)
Organic fertilisers - Determination of the cadmium, nickel and lead content	Annex I, Part II, PFC 1(A), point 2(a), (d) and (e)
Organic fertilisers - Determination of the chromium VI content	Annex I, Part II, PFC 1(A), point 2(b)
Organic fertilisers - Determination of the biuret content	Annex I, Part II, PFC 1(A), point 2
Organic fertilisers - Determination of the inorganic arsenic content	Annex I, Part II, PFC 1(A), point 2(f)
Organic fertilisers - Determination of the total chromium content	Annex IV, Part II, Module A, point 2.2 (j) Annex IV, Part II, Module

	B, point 2.2 (k) Annex IV, Part II, Module D1, point 2.2 (k)
Organic fertilisers - Determination of the phosphonates content	Annex I, Part II, point 6
Organic fertilisers - Detection of *Salmonella* spp	Annex I, Part II, PFC 1(A), point 4
Organic fertilisers - Detection of *Escherichia coli*	Annex I, Part II, PFC 1(A), point 4
Organic fertilisers - Detection of *Enterococcaceae*	Annex I, Part II, PFC 1(A), point 4
Organic fertilisers - Determination of the total nitrogen content	Annex I, Part II, PFC 1(A), point 1 Annex I, Part II, PFC 1(A)(I), point 2 Annex I, Part II, PFC 1(A)(II), point 2 Annex III, Part II, PFC 1(A), points (c) and (d)
Organic fertilisers - Determination of the total P_2O_5, K_2O, MgO, CaO and Na_2O content	Annex I, Part II, PFC 1(A), point 1 Annex I, Part II, PFC 1(A)(I), point 2 Annex I, Part II, PFC 1(A)(II), point 2 Annex III, Part II, PFC 1(A), points (c) and (d)
Organic fertilisers - Determination of the total SO_3 content	Annex III, Part II, PFC 1(A), points (c) and (d)
Organic fertilisers – Determination of the copper and zinc content	Annex I, Part II, PFC 1(A), point 3
Organic fertilisers - Determination of the water-soluble MgO, CaO, Na_2O content	Annex III, Part II, PFC 1(A), point (d)
Organic fertilisers - Determination of the water-soluble SO_3 content	Annex III, Part II, PFC 1(A), point (d)

Organic fertilisers - Determination of the ammoniacal nitrogen content	Annex III, Part II, PFC 1(A), point (d)
Organic fertilisers - Determination of the organic nitrogen content	Annex III, Part II, PFC 1(A), point (d)
Organic fertilisers - Determination of the organic carbon content	Annex I, Part II, PFC 1(A), point 1 Annex I, Part II, PFC 1(A)(I), point 3 Annex I, Part II, PFC 1(A)(II), point 3 Annex III, Part II, PFC 1(A), point (d)
Organic fertilisers - Determination of the dry matter content	Annex III, Part II, PFC 1(A), point (d)
Organic fertilisers - Determination of the quantity (indicated by mass or volume)	Annex III, Part I, point 1(c)
Organic fertilisers - Determination of the chloride content	Annex III, Part I, point 9

2. Standards on organo-mineral fertilisers in Annex I

The harmonised standards shall describe the test methods to be applied for verifying the conformity of organo-mineral fertilisers with the requirements set out in Regulation (EU) 2019/1009. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	**Reference to provisions**
Organo-mineral fertilisers - Determination of the nitrogen content as a result of ammonium nitrate	Annex I, Part II, PFC 1(B), point 2
Organo-mineral fertilisers - Determination of the mercury content	Annex I, Part II, PFC 1(B), point 3(c)
Organo-mineral fertilisers - Determination of the cadmium, nickel, inorganic arsenic and lead content	Annex I, Part II, PFC 1(B), point 3(a), (d), (f) and (e)
Organo-mineral fertilisers - Determination of the chromium VI content	Annex I, Part II, PFC 1(B), point 3(b)

Organo-mineral fertilisers - Determination of the total chromium content	Annex IV, Part II, Module A, point 2.2 (j) Annex IV, Part II, Module B, point 2.2 (k) Annex IV, Part II, Module D1, point 2.2 (k)
Organo-mineral fertilisers - Determination of the phosphonates content	Annex I, Part II, point 6
Organo-mineral fertilisers - Determination of the biuret content	Annex I, Part II, PFC 1(B), point 3(g)
Organo-mineral fertilisers - Detection of *Salmonella* spp	Annex I, Part II, PFC1(B), point 5
Organo-mineral fertilisers - Detection of *Escherichia coli*	Annex I, Part II, PFC1(B), point 5
Organo-mineral fertilisers - Detection of *Enterococcaceae*	Annex I, Part II, PFC1(B), point 5
Organo-mineral fertilisers - Determination of the copper and zinc content	Annex I, Part II, PFC 1(B), point 4 Annex III, Part II, PFC 1(B), points 3 and 4
Organo-mineral fertilisers - Determination of the total nitrogen content	Annex I, Part II, PFC 1(B), point 1 Annex I, Part II, PFC 1(B)(I), point 2 Annex I, Part II, PFC 1(B)(II), point 2 Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the total P_2O_5, K_2O, MgO, CaO, Na_2O content	Annex I, Part II, PFC 1(B), point 1 Annex I, Part II, PFC 1(B) (I), point 2 Annex I, Part II, PFC 1(B) (II), point 2 Annex III, Part II, PFC 1(B), point 1(d) Annex III, Part II, PFC 1(B), point 1(d)

Organo-mineral fertilisers - Determination of the organic carbon content	Annex I, Part II, PFC 1(B), point 1 Annex I, Part II, PFC 1(B) (I), point 3 Annex I, Part II, PFC 1(B) (II), point 3 Annex III, Part II, PFC 1(B), point 1
Organo-mineral fertilisers - Determination of the ammoniacal nitrogen content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the nitric nitrogen content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the urea nitrogen content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the organic nitrogen content	Annex I, Part II, PFC 1(B), point 1 Annex I, Part II, PFC 1(B) (I), point 2 Annex I, Part II, PFC 1(B) (II), point 2 Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the water-soluble P_2O_5 content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the neutral ammonium citrate soluble P_2O_5 content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the formic acid soluble P_2O_5 content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the water-soluble K_2O content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the water-soluble MgO and CaO content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers – Determination of the total SO_3 content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the water-soluble SO_3 content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the	Annex III, Part II, PFC

water-soluble Na_2O content	1(B), point 1(d)
Organo-mineral fertilisers - Determination of the total boron content	Annex III, Part II, PFC 1(B), point 2
Organo-mineral fertilisers - Determination of the total cobalt content	Annex III, Part II, PFC 1(B), point 2
Organo-mineral fertilisers - Determination of the total iron content	Annex III, Part II, PFC 1(B), point 2
Organo-mineral fertilisers - Determination of the total manganese content	Annex III, Part II, PFC 1(B), point 2
Organo-mineral fertilisers - Determination of the total molybdenum content	Annex III, Part II, PFC 1(B), point 2
Organo-mineral fertilisers - Determination of the water-soluble boron content	Annex III, Part II, PFC 1(B), point 5(b)
Organo-mineral fertilisers - Determination of the water-soluble cobalt content	Annex III, Part II, PFC 1(B), point 5(b)
Organo-mineral fertilisers - Determination of the water-soluble copper content	Annex III, Part II, PFC 1(B), point 5(b)
Organo-mineral fertilisers - Determination of the water-soluble iron content	Annex III, Part II, PFC 1(B), point 5(b)
Organo-mineral fertilisers - Determination of the water-soluble manganese content	Annex III, Part II, PFC 1(B), point 5(b)
Organo-mineral fertilisers - Determination of the water-soluble molybdenum content	Annex III, Part II, PFC 1(B), point 5(b)
Organo-mineral fertilisers - Determination of the	Annex III, Part II, PFC

water-soluble zinc content	1(B), point 5(b)
Organo-mineral fertilisers - Determination of the fraction of chelated micronutrients	Annex III, Part II, PFC 1(B), point 5(c)
Organo-mineral fertilisers - Identification of chelating agents	Annex III, Part II, PFC 1(B), point 5(c)
Organo-mineral fertilisers - Determination of the fraction of complexed micronutrients	Annex III, Part II, PFC 1(B), point 5(d)
Organo-mineral fertilisers - Identification of complexing agents	Annex III, Part II, PFC 1(B), point 5(d)
Organo-mineral fertilisers - Determination of the nitrification inhibitor content	Annex III, Part II, PFC 1, point 3(b)
Organo-mineral fertilisers - Determination of the denitrification inhibitor content	Annex III, Part II, PFC 1, point 3(c)
Organo-mineral fertilisers - Determination of the urease inhibitor content	Annex III, Part II, PFC 1, point 3(d)
Organo-mineral fertilisers - Determination of the dry matter content	Annex III, Part II, PFC 1(B), point 1(d)
Organo-mineral fertilisers - Determination of the quantity (indicated by mass or volume)	Annex III, Part I, point 1(c)
Organo-mineral fertilisers - Determination of the chloride content	Annex III, Part I, point 9

3. Standards on inorganic fertilisers in Annex I

The harmonised standards shall describe the test methods to be applied for verifying the conformity of inorganic fertilisers with the requirements set out in Regulation (EU) 2019/1009. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	**Reference to provisions**

Inorganic fertilisers - Determination of the mercury content	Annex I, Part II, PFC 1(C)(I), point 2(c) Annex I, Part II, PFC 1(C)(II), point 3
Inorganic fertilisers - Determination of the cadmium, nickel, arsenic and lead content	Annex I, Part II, PFC 1(C)(I), point 2(a), (d), (f) and (e) Annex I, Part II, PFC 1(C)(II), point 3 Annex III, Part II, PFC 1(C)(I), point 2
Inorganic fertilisers - Determination of the chromium VI content	Annex I, Part II, PFC 1(C)(I), point 2(b)
Inorganic fertilisers - Determination of the biuret content	Annex I, Part II, PFC 1(C)(I), point 2(g)
Inorganic fertilisers - Determination of the perchlorate content	Annex I, Part II, PFC 1(C)(I), point 2(h)
Inorganic fertilisers - Determination of the total nitrogen content	Annex I, Part II, PFC 1(C)(I)(a)(i), point 2 Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(a) Annex I, Part II, PFC 1(C)(I)(b)(i), point 2 Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(a) Annex III, Part II, PFC1(C)(I), point 1(c) and (d)
Inorganic fertilisers - Determination of the ammoniacal nitrogen content	Annex III, Part II, PFC1, point 4(c) Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the nitric nitrogen content	Annex III, Part II, PFC1, point 4(c) Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of urea nitrogen content	Annex III, Part II, PFC1, point 4(c)

	Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the content of nitrogen from urea formaldehyde, isobutylidenediurea and crotonylidenediurea	Annex III, Part II, PFC1, point 4(c) Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the cyanamide nitrogen content	Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers – Determination of the methylene-urea nitrogen content	Annex III, Part II, PFC1, point 4(c)
Inorganic fertilisers - Determination of the total P_2O_5 content	Annex I, Part II, PFC 1(C)(I)(a)(i), point 2 Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(b) Annex I, Part II, PFC 1(C)(I)(b)(i), point 2 Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(b) Annex III, Part II, PFC1(C)(I), point 1(c) and (d)
Inorganic fertilisers - Determination of the water-soluble P_2O_5 content	Annex III, Part II, PFC1, point 4(b) Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the neutral ammonium citrate soluble P_2O_5 content	Annex III, Part II, PFC1, point 4(b) Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the formic acid soluble P_2O_5 content	Annex III, Part II, PFC1, point 4(b) Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the total K_2O content	Annex I, Part II, PFC 1(C)(I)(a)(i), point 2 Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(c) Annex I, Part II, PFC

	1(C)(I)(b)(i), point 2 Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(c) Annex III, Part II, PFC1(C)(I), point 1(c)
Inorganic fertilisers - Determination of the water-soluble K_2O content	Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the total MgO content	Annex I, Part II, PFC 1(C)(I)(a)(i), point 2 Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(d) Annex I, Part II, PFC 1(C)(I)(b)(i), point 2 Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(d) Annex III, Part II, PFC1(C)(I), point 1(c) and (d)
Inorganic fertilisers - Determination of the water-soluble MgO content	Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the total CaO content	Annex I, Part II, PFC 1(C)(I)(a)(i), point 2 Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(e) Annex I, Part II, PFC 1(C)(I)(b)(i), point 2 Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(e) Annex III, Part II, PFC1(C)(I), point 1(c) and (d)
Inorganic fertilisers - Determination of the water-soluble CaO content	Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the total SO_3 content	Annex I, Part II, PFC 1(C)(I)(a)(i), point 2 Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(f) Annex I, Part II, PFC 1(C)(I)(b)(i), point 2

	Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(f) Annex III, Part II, PFC1(C)(I), point 1(c) and (d)
Inorganic fertilisers - Determination of the water-soluble SO_3 content	Annex III, Part II, PFC1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the total Na_2O content	Annex I, Part II, PFC 1(C)(I)(a)(i), point 2 Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(g) Annex I, Part II, PFC 1(C)(I)(b)(i), point 2 Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(g) Annex III, Part II, PFC1(C)(I), point 1(c) and (d)
Inorganic fertilisers - Determination of the water-soluble Na_2O content	Annex III, Part II, PFC 1(C)(I), point 1(d)
Inorganic fertilisers - Determination of the nitrogen content as a result of ammonium nitrate in ammonium nitrate fertilisers of high nitrogen content	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 1
Inorganic fertilisers - Determination of the combustible ingredient content in ammonium nitrate fertilisers of high nitrogen content	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 6
Inorganic fertilisers - Determination of pH of a solution of ammonium nitrate fertiliser of high nitrogen content	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 7
Inorganic fertilisers - Determination of particle size of ammonium nitrate fertilisers of high nitrogen content	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 8
Inorganic fertilisers - Determination of the chloride content in ammonium nitrate fertilisers of high nitrogen content	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 9
Inorganic fertilisers - Determination of the copper content of ammonium nitrate fertilisers of high nitrogen content	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 9
Inorganic fertilisers - Determination of the total boron content	Annex I, Part II, PFC 1(C)(II)(a), point 2,

	typologies micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 5 Annex III, Part II, PFC 1(C)(I)(b), point 3 Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 1
Inorganic fertilisers - Determination of the total cobalt content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 5 Annex III, Part II, PFC 1(C)(I)(b), point 3 Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 1
Inorganic fertilisers - Determination of the total copper and zinc content	Annex I, Part II, PFC 1(C)(I), point 3 Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), points 6 and 7 Annex III, Part II, PFC 1(C)(I)(b), points 4 and 5 Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 1

Inorganic fertilisers - Determination of the total iron content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 5 Annex III, Part II, PFC 1(C)(I)(b), point 3 Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 1
Inorganic fertilisers - Determination of the total manganese content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 5 Annex III, Part II, PFC 1(C)(I)(b), point 3 Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 1
Inorganic fertilisers - Determination of the total molybdenum content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies 129.micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 5 Annex III, Part II, PFC 1(C)(I)(b), point 3 Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 1

Inorganic fertilisers - Determination of the water-soluble boron content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies except micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 8(b) Annex III, Part II, PFC 1(C)(I)(b), point 6(b) Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 3
Inorganic fertilisers - Determination of the water-soluble cobalt content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies except micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 8(b) Annex III, Part II, PFC 1(C)(I)(b), point 6(b) Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 3
Inorganic fertilisers - Determination of the water-soluble copper content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies except micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 8(b) Annex III, Part II, PFC 1(C)(I)(b), point 6(b) Annex III, Part II, PFC 1(C)(II)(a), point 2

	Annex III, Part II, PFC 1(C)(II)(b), point 3
Inorganic fertilisers - Determination of the water-soluble iron content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies except micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 8(b) Annex III, Part II, PFC 1(C)(I)(b), point 6(b) Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 3
Inorganic fertilisers - Determination of the water-soluble manganese content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies except micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 8(b) Annex III, Part II, PFC 1(C)(I)(b), point 6(b) Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 3
Inorganic fertilisers - Determination of the water-soluble molybdenum content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies except micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 8(b) Annex III, Part II, PFC 1(C)(I)(b), point 6(b)

	Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 3
Inorganic fertilisers - Determination of the water-soluble zinc content	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies except micronutrient-based fertiliser and micronutrient suspension fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 8(b) Annex III, Part II, PFC 1(C)(I)(b), point 6(b) Annex III, Part II, PFC 1(C)(II)(a), point 2 Annex III, Part II, PFC 1(C)(II)(b), point 3
Inorganic fertilisers - Determination of the sum of declared micronutrients in compound micronutrient fertilisers	Annex I, Part II, PFC 1(C)(II)(b), point 2
Inorganic fertilisers - Determination of the fraction of chelated micronutrients	Annex I, Part II, PFC 1(C)II(a), point 2, typologies micronutrient chelate fertiliser, UVCB iron chelates Annex III, Part II, PFC 1(C)(I)(a), point 8(c) Annex III, Part II, PFC 1(C)(I)(b), point 6(c) Annex III, Part II, PFC 1(C)(II), point 2 Annex III, Part II, PFC 1(C)(II)(a), point 1 Annex III, Part II, PFC 1(C)(II)(b), point 1
Inorganic fertilisers - Identification of chelating agents	Annex I, Part II, PFC 1(C)II(a), point 2, typologies micronutrient chelate fertiliser, UVCB iron chelates

	Annex III, Part II, PFC 1(C)(I)(a), point 8(c) Annex III, Part II, PFC 1(C)(I)(b),point 6(c) Annex III, Part II, PFC 1(C) (II), point 2 Annex III, Part II, PFC 1(C)(II)(a), point 1 Annex III, Part II, PFC 1(C)(II)(b), point 1
Inorganic fertilisers - Determination of the fraction of complexed micronutrients	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies micronutrient complex fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 8(d) Annex III, Part II, PFC 1(C)(I)(b),point 6(d) Annex III, Part II, PFC 1(C)(II), point 3 Annex III, Part II, PFC 1(C)(II)(a), point 1 Annex III, Part II, PFC 1(C)(II)(b), point 1
Inorganic fertilisers - Identification of complexing agents	Annex I, Part II, PFC 1(C)(II)(a), point 2, typologies micronutrient complex fertiliser Annex III, Part II, PFC 1(C)(I)(a), point 8(d) Annex III, Part II, PFC 1(C)(I)(b), point 6(d) Annex III, Part II, PFC 1(C) (II), point 3 Annex III, Part II, PFC 1(C) (II)(a), point 1 Annex III, Part II, PFC 1(C) (II)(b), point 1
Inorganic fertilisers - Determination of the nitrification inhibitor content	Annex III, Part II, PFC 1, point 3(b)

Inorganic fertilisers - Determination of the denitrification inhibitor content	Annex III, Part II, PFC 1, point 3(c)
Inorganic fertilisers - Determination of the urease inhibitor content	Annex III, Part II, PFC 1, point 3(d)
Inorganic fertilisers - Determination of the quantity (indicated by mass or volume)	Annex III, Part I, point 1(c)
Inorganic fertilisers - Determination of the chloride content	Annex III, Part I, point 9
Inorganic fertilisers - Determination of the granulometry	Annex III, Part II, PFC1(C)(I)(a), point 2
Inorganic fertilisers – Determination of the organic carbon content	Annex I, Part II, PFCI(C), point 2 Annex III, Part II, PFC I, point 4
Inorganic fertilisers - Detection of *Salmonella* spp	Annex I, Part II, PFC 1(C), point 2
Inorganic fertilisers - Detection of *Escherichia coli*	Annex I, Part II, PFC 1(C), point 2
Inorganic fertilisers - Detection of *Enterococcaceae*	Annex I, Part II, PFC 1(C), point 2
Inorganic fertilisers - Determination of the phosphonates content	Annex I, Part II, point 6
Inorganic fertilisers - Determination of the total chromium content	Annex IV, Part II, Module A, point 2.2 (j) Annex IV, Part II, Module B, point 2.2 (k) Annex IV, Part II, Module D1, point 2.2 (k)

4. Standards on liming materials in Annex I

The harmonised standards shall describe the test methods to be applied for verifying the conformity of liming materials with the requirements set out in Regulation (EU) 2019/1009. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	Reference to provisions
Liming materials - Determination of the cadmium content	Annex I, Part II, PFC2, point 2(a)
Liming materials - Determination of the nickel and lead content	Annex I, Part II, PFC2, point 2(d) and (e)
Liming materials - Determination of the chromium VI content	Annex I, Part II, PFC2, point 2(b)
Liming materials - Determination of the mercury content	Annex I, Part II, PFC2, point 2(c)
Liming materials - Determination of the arsenic content	Annex I, Part II, PFC2, point 2(f)
Liming materials - Determination of the copper and zinc content	Annex I, Part II, PFC2, point 3
Liming materials - Determination of the neutralising value	Annex I, Part II, PFC2, point 4(a) Annex III, Part II, PFC 2, first dash
Liming materials - Determination of the reactivity	Annex I, Part II, PFC2, point 4(b) Annex III, Part II, PFC 2, fifth dash
Liming materials - Determination of the grain size	Annex I, Part II, PFC 2, point 4(c)
Liming materials - Determination of the granulometry	Annex III, Part II, PFC 2, second dash
Liming materials - Determination of the total CaO content	Annex III, Part II, PFC 2, third dash
Liming materials - Determination of the total MgO content	Annex III, Part II, PFC 2, fourth dash
Liming materials - Determination of quantity (indicated by mass or volume)	Annex III, Part I, point 1(c)
Liming materials - Determination of the chloride content	Annex III, Part I, point 9
Liming materials - Determination of the phosphonates	Annex I, Part II, point 6

content	
Liming materials - Determination of the total chromium content	Annex IV, Part II, Module A, point 2.2 (j) Annex IV, Part II, Madule B, point 2.2 (k) Annex IV, Part II, Module D1, point 2.2 (k)

5. Standards on soil improvers in Annex I

The harmonised standards shall describe the test methods to be applied for verifying the conformity of soil improvers with the requirements set out in Regulation (EU) 2019/1009. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	**Reference to provisions**
Soil improvers - Determination of the cadmium, lead and nickel content	Annex I, Part II, PFC 3(A), point 2(a), (d) and (e) Annex I, Part II, PFC 3(B), point 2(a), (d) and (e)
Soil improvers - Determination of the chromium VI content	Annex I, Part II, PFC 3(A), point 2(b) Annex I, Part II, PFC 3(B), point 2(b)
Soil improvers - Determination of the mercury content	Annex I, Part II, PFC 3(A), point 2(c) Annex I, Part II, PFC 3(B), point 2(c)
Soil improvers - Determination of the inorganic arsenic content	Annex I, Part II, PFC 3(A), point 2(f) Annex I, Part II, PFC 3(B), point 2(f)
Soil improvers - Determination of the total copper and zinc content	Annex I, Part II, PFC 3(A), point 3 Annex I, Part II, PFC

	3(B), point 3
Organic soil improvers - Detection of *Salmonella* spp	Annex I, Part II, PFC 3(A), point 4
Organic soil improvers - Detection of *Escherichia coli*	Annex I, Part II, PFC 3(A), point 4
Organic soil improvers - Detection of *Enterococcaceae*	Annex I, Part II, PFC 3(A), point 4
Soil improvers - Determination of the dry matter content	Annex I, Part II, PFC 3 (A), point 5 Annex III, Part II, PFC 3, point 1
Organic soil improvers - Determination of the organic carbon content	Annex I, Part II, PFC 3A, point 6 Annex III, Part II, PFC 3(A), third dash
Soil improvers - Determination of the nitrogen content	Annex III, Part II, PFC 3
Soil improvers - Determination of the P_2O_5 and K_2O content	Annex III, Part II, PFC 3
Organic soil improvers - Determination of pH	Annex III, Part II, PFC 3(A), first dash
Organic soil improvers - Determination of electrical conductivity	Annex III, Part II, PFC 3(A), second dash
Organic soil improvers - Determination of the organic nitrogen content	Annex III, Part II, PFC 3(A), fourth dash
Soil improvers - Determination of quantity (indicated by mass or volume)	Annex III, Part I, point 1(c)
Soil improvers - Determination of the chloride content	Annex III, Part I, point 9
Soil improvers - Determination of the phosphonates content	Annex I, Part II, point 6
Soil improvers - Determination of the total chromium content	Annex IV, Part II, Module A, point 2.2 (j) Annex IV, Part II, Module B, point 2.2 (k)

	Annex IV, Part II, Module D1, point 2.2 (k)

6. Standards on growing media in Annex I

The harmonised standards shall describe the test methods to be applied for verifying the conformity of growing media with the requirements set out in Regulation (EU) 2019/1009. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	**Reference to provisions**
Growing media - Determination of the cadmium, lead and nickel content	Annex I, Part II, PFC 4, point 2(a), (d) and (e)
Growing media - Determination of the chromium VI content	Annex I, Part II, PFC 4, point 2(b)
Growing media - Determination of the mercury content	Annex I, Part II, PFI, point 2(c)
Growing media - Determination of the inorganic arsenic content	Annex I, Part II, PFC 4, point 2(f)
Growing media - Determination of the total copper and zinc content	Annex I, Part II, PFC 4, point 3
Growing media - Detection of *Salmonella spp*	Annex I, Part II, PFC 4, point 4
Growing media - Detection of *Escherichia coli*	Annex I, Part II, PFC 4, point 4
Growing media - Detection of *Enterococcaceae*	Annex I, Part II, PFC 4, point 4
Growing media - Determination of the electrical conductivity	Annex III, Part II, PFC 4, first dash
Growing media - Determination of pH	Annex III, Part II, PFC 4, second dash
Growing media - Determination of the nitrogen, P_2O_5 and K_2O content extractable by $CaCl_2$/DTPA	Annex III, Part II, PFC 4, fourth, fifth, and sixth dashes

Growing media - Determination of quantity	Annex III, Part II, PFC 4, points 2 and 3
Growing media - Determination of dry matter	Annex I, Part II, PFC 4, third dash
Growing media - Determination of the chloride content	Annex III, Part I, point 8
Growing media - Determination of the phosphonates content	Annex I, Part II, point 6
Growing media - Determination of the total chromium content	Annex IV, Part II, Module A, point 2.2 (j) Annex IV, Part II, Module B, point 2.2 (k) Annex IV, Part II, Module D1, point 2.2 (k)

7. Standards on plant biostimulants in Annex I

The harmonised standards shall describe the test methods to be applied for verifying the conformity of plant biostimulants with the requirements set out in Regulation (EU) 2019/1009. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	**Reference to provisions**
Plant biostimulants - Determination of the cadmium and lead content	Annex I, Part II, PFC 6, point 2(a) and (c)
Plant biostimulants - Determination of the chromium VI content	Annex I, Part II, PFC 6, point 2(b)
Plant biostimulants - Determination of the mercury content	Annex I, Part II, PFC 6, point 2(d)
Plant biostimulants - Determination of the nickel content	Annex I, Part II, PFC 6, point 2(e)
Plant biostimulants - Determination of the inorganic arsenic content	Annex I, Part II, PFC 6, point 2(f)
Plant biostimulants - Determination of the copper and zinc content	Annex I, Part II, PFC 6, point 3

Plant biostimulants - Detection of *Salmonella* spp	Annex I, Part II, PFC 6(A), point 2 Annex I, Part II, PFC 6(B), point 2
Plant biostimulants - Detection of *Escherichia coli*	Annex I, Part II, PFC 6(A), point 2 Annex I, Part II, PFC 6(B), point 2
Plant biostimulants - Detection of *Enterococcaceae*	Annex I, Part II, PFC 6(A), point 2 Annex I, Part II, PFC 6(B), point 2
Microbial plant biostimulants - Detection of *Listeria monocytogenes*	Annex I, Part II, PFC 6(A), point 2
Microbial plant biostimulants - Detection of *Vibrio* spp	Annex I, Part II, PFC 6(A), point 2
Microbial plant biostimulants - Detection of *Shigella* spp	Annex I, Part II, PFC 6(A), point 2
Microbial plant biostimulants - Detection of *Staphylococcus aureus*	Annex I, Part II, PFC 6(A), point 2
Microbial plant biostimulants - Determination of the anaerobic plate count	Annex I, Part II, PFC 6(A), point 2
Microbial plant biostimulants - Determination of the yeast and mould content	Annex I, Part II, PFC 6(A), point 2
Microbial plant biostimulants - Determination of *Azotobacter* spp	Annex II, Part II, CMC7, second dash
Microbial plant biostimulants - Determination of mycorrhizal fungi	Annex II, Part II, CMC7, second dash
Microbial plant biostimulants - Determination of *Rhizobium* spp	Annex II, Part II, CMC7, table
Microbial plant biostimulants - Determination of *Azospirillum* spp	Annex II, Part II, CMC7, table
Microbial plant biostimulants - Determination of pH for liquid products	Annex I, Part II, PCF 6(A), point 3

	Annex II, Part II, CMC 7, second dash
Plant biostimulants - Determination of quantity (indicated by mass or volume)	Annex III, Part I, point 1(c)
Microbial plant biostimulant - Determination of microorganisms concentration	Annex III, Part II, PFC 6(A)
Plant biostimulants - Determination of dry matter	Annex I, Part II, PFC 6 Annex III, Part II, PFC 6
Plant biostimulants - Determination of the chloride content	Annex III, Part I, point 9
Plant biostimulants - Determination of the phosphonates content	Annex I, Part II, point 6
Plant biostimulants - Determination of the total chromium content	Annex IV, Part II, Module B, point 2.2 (k) Annex IV, Part II, Module D1, point 2.2 (k)

8. Standards on inhibitors and specific component material categories in Annex I

The harmonised standards shall describe the technical specifications and test methods to be applied for verifying the conformity of specific component material categories with the requirements set out in Regulation (EU) 2019/1009. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	**Reference to provisions**
Fertilising products – Determination of the stability of chelating agents	Annex II, Part II, CMC1, point 3(a)
Fertilising products – Determination of the stability of complexing agents	Annex II, Part II, CMC, point 3(b)
Fertilising products – Determination of the PAH_{16} content in composts and digestates	Annex II, Part II, CMC 3, point 4(a) Annex II, Part II, CMC 5, point 4
Fertilising products – Determination of the content of macroscopic impurities (glass, metal, plastics) above 2mm in composts and digestates	Annex II, Part II, CMC3, point 4(b) and (c)

	Annex II, Part II, CMC5, point 5
Fertilising products – Determination of temperature and time profile during composting and digestion	Annex II, Part II, CMC 3, points 3 Annex II, Part II, CMC 4, points 3 Annex II, Part II, CMC 5, points 3
Fertilising products – Determination of the oxygen uptake rate in composts and digestates	Annex II, Part II, CMC 3, point 5(a) Annex II, Part II, CMC 4, point 4(a) Annex II, Part II, CMC 5, point 6(a)
Fertilising products – Determination of the self-heating factor in composts	Annex II, Part II, CMC 3, point 5(b)
Fertilising products – Determination of the residual biogas potential in digestate	Annex II, Part II, CMC 4, point 4(b) Annex II, Part II, CMC 5, point 7(b)
Fertilising products – Determination of the solubility of nutrient polymers in phosphate buffer solution with pH 7,5 at 100 ^{o}C	Annex II, part II, CMC 8, point 2
Fertilising products – Determination of the final degradation products of nutrient polymers	Annex II, Part II, CMC 8, point 3
Fertilising products – Determination of the free formaldehyde content in nutrient polymers	Annex II, Part II, CMC 8, point 4
Inhibitors – Determination of the quantity	Annex I, Part II, point 1(c) Annex III, Part II, PFC5
Inhibitors – Determination of the phosphonates content	Annex I, Part II, point 6

9. Standards on supporting information and claims in Annex I

The harmonised standards shall describe the technical specifications and test methods to be applied for verifying the conformity of specific EU fertilising products with the requirements

on supporting information and claims set out in Regulation (EU) 2019/1009. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	**Reference to provisions**
Fertilising products - Demonstration of the efficacy of nitrification inhibitors	Annex I, Part II, PFC 5(A), point 2 Annex II, Part II, CMC 1, point 4(a)
Fertilising products - Demonstration of the efficacy of denitrification inhibitors	Annex I, Part II, PFC 5(B), point 2 Annex II, Part II, CMC 1, point 4(b)
Fertilising products - Demonstration of the efficacy of urease inhibitors	Annex I, Part II, PFC 5(C), point 2 Annex II, Part II, CMC 1, point 4(c)
Plant biostimulants – Claims - Nutrient use efficiency	Annex I, Part II , PFC 6, point 1(a) Annex III, Part II, PFC 6, point (d)
Plant biostimulants – Claims - Tolerance to abiotic stress	Annex I, Part II, PFC 6, point 1(b) Annex III, Part II, PFC 6, point (d)
Plant biostimulants – Claims - Quality traits	Annex I, Part II, PFC 6, point 1(c) Annex III, Part II, PFC 6, point (d)
Plant biostimulants – Claims - Availability of confined nutrients in the soil or rhizosphere	Annex I, Part II , PFC 6, point 1(d) Annex III, Part II, PFC 6, point (d)
Fertilising products - Determination of possible air quality impacts when urea is present	Annex III, Part II, PFC 1(B), point 1(eAnnex III, Part II, PFC 1(C)(I),

	point 1(e)

10. Standards on glossary in Annex I

The harmonised standards shall describe the terminology to be applied in order to verify their conformity with the corresponding requirements set out in Regulation (EU) 2019/1009 listed in the following table. The harmonised standards shall cover the relevant requirements (listed in Table 1 of Annex I to this Decision) and which have a direct reference to provisions of Regulation (EU) 2019/1009, as listed in the following table.

Requirement	**Reference to provisions**
Inorganic fertilisers – Description of the physical unit	Annex III, Part II, PFC 1(C)(I)(a), points 1 and 3
Organo-mineral fertilisers - Description of the physical unit	Annex 1, Part II, PFC 1(B)(I), point 4
Organic fertilisers - Description of the physical unit	Annex III, Part II, PFC 1(A), point (g)