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Brussels, 10.2.2020  
C(2020) 612 final

**COMMISSION IMPLEMENTING DECISION**

**of 10.2.2020**

**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**

(Only the English, French and German versions are authentic)

# COMMISSION IMPLEMENTING DECISION

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## 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

(Only the English, French and German versions are authentic)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 1025/2012 of the European Parliament and of the Council of 25 October 2012 on European standardisation, amending Council Directives 89/686/EEC and 93/15/EEC and Directives 94/9/EC, 94/25/EC, 95/16/EC, 97/23/EC, 98/34/EC, 2004/22/EC, 2007/23/EC, 2009/23/EC and 2009/105/EC of the European Parliament and of the Council and repealing Council Decision 87/95/EEC and Decision 1673/2006/EC of the European Parliament and of the Council<sup>1</sup>, and in particular Article 10(1) thereof,

Whereas:

- (1) Regulation (EU) 2019/1009 of the European Parliament and of the Council<sup>2</sup> lays down rules on making available on the market of EU fertilising products, and repeals Regulation (EC) No 2003/2003 of the European Parliament and the Council<sup>3</sup>.
- (2) In accordance with Article 13(1) of Regulation (EU) 2019/1009, EU fertilising products which are in conformity with harmonised standards or parts thereof the references of which have been published in the *Official Journal of the European Union* are to be presumed to be in conformity with the requirements set out in Annexes I, II and III to that Regulation covered by those standards or parts thereof.
- (3) In accordance with Article 13(2) of Regulation (EU) 2019/1009, tests for verifying the conformity of EU fertilising products with the requirements set out in Annexes I, II and III to that Regulation which are in conformity with harmonised standards or parts thereof, the references of which have been published in the *Official Journal of the European Union*, are to be presumed to be reliable and reproducible to the extent that the tests are covered by those standards or parts thereof.
- (4) Harmonised standards help ensuring a high level of protection of human, animal and plant health and of the environment throughout the Union, and contribute to the free movement of quality EU fertilising products in the Union. Given that such standards are technology-neutral and performance-based, they also contribute to ensuring equal

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<sup>1</sup> OJ L 316, 14.11.2012, p. 12.

<sup>2</sup> Regulation (EU) 2019/1009 of the European Parliament and of the Council of 5 June 2019 laying down rules on the making available on the market of EU fertilising products and amending Regulations (EC) No 1069/2009 and (EC) No 1107/2009 and repealing Regulation (EC) No 2003/2003 (OJ L 170, 25.6.2019, p. 1).

<sup>3</sup> Regulation (EC) No 2003/2003 of the European Parliament and of the Council of 13 October 2003 relating to fertilisers (OJ L 304, 21.11.2003, p. 1).

conditions of competition among relevant economic operators dealing with EU fertilising products, in particular small and medium-sized enterprises. Harmonised standards help manufacturers in proving the conformity of their products with the relevant requirements set out in Union harmonisation legislation.

- (5) Regulation (EC) No 2003/2003 almost exclusively covers fertilisers from mined or chemically produced, inorganic materials. Regulation (EU) 2019/1009 aligns the existing harmonisation rules to the new legislative framework and introduces major changes with regard to harmonisation rules for products covered by Regulation (EC) No 2003/2003. Regulation (EU) 2019/1009 also sets harmonisation rules for other products intended to provide plants with nutrients, such as organic fertilisers, or products intended to improve plants' nutrition efficiency.
- (6) Contrary to most other product harmonisation measures in Union legislation and in view of the local nature of certain fertilising product markets, Regulation (EU) 2019/1009 does not prevent non-harmonised fertilising products from being made available on the internal market in accordance with national law and the general free movement rules of the Treaty. Compliance with harmonisation rules remains optional, and is required only for products, which are CE marked when made available on the market. The requested standardisation activities should therefore not cover non-harmonised products, which are outside the scope of Regulation (EU) 2019/1009 when made available on the market.
- (7) The intention to request drafting of harmonised standards in support of Regulation (EU) 2019/1009 is stated in point 2.4 of the annual Union work programme for European standardisation for 2018<sup>4</sup>.
- (8) The European Committee for Standardisation (CEN) has indicated that the work covered by the request falls entirely within its area of competence.
- (9) It is therefore appropriate to request CEN to draft harmonised standards in support of Regulation (EU) 2019/1009.
- (10) Regulation (EU) 2019/1009 will apply from 16 July 2022. In order to ensure that harmonised standards are available before that date, the deadlines for the adoption of those standards by CEN should be set whenever it is technically feasible before 16 July 2022. Given that the execution of the request may require more time than initially foreseen, it may be necessary to extend the deadlines for adoption of the standards taking into account the progress made in the implementation of the work programme prepared by CEN for the execution of the request.
- (11) Whenever for technical reasons it is not deemed feasible to develop a harmonised standard before 16 July 2022, it is appropriate to request CEN to adopt technical specifications in the form of European standardisation deliverables as a first step. While such technical specifications cannot provide the presumption of conformity in accordance with Article 13 of Regulation (EU) 2019/1009, they could nevertheless help manufacturers to prove conformity of their products with requirements of that Regulation until harmonised standards can be developed. In a subsequent step, for all those requirements for which European standardisation deliverables are requested as a first step, CEN should develop the corresponding harmonised standards within deadlines that are technically feasible.

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<sup>4</sup> COM (2017) 453 final of 25 August 2017.

- (12) It is therefore appropriate to request CEN also to draft European standardisation deliverables in support of Regulation (EU) 2019/1009.
- (13) The European standardisation deliverables are not included in the annual Union work programme for European standardisation for 2018. There is an urgent need to request such deliverables given that some harmonised standards needed for smooth implementation of Regulation (EU) 2019/1009 cannot be developed before its date of application.
- (14) Some of the harmonised standards requested will rely on the same sampling methods or will use common terminology. For ease of reference, to simplify standardisation work and to avoid unnecessary repetitions such sampling methods or common terminology should be included in separate harmonised standards. In this way, any harmonised standard where sampling is an intermediate step or the relevant terminology is used could refer to the relevant standard covering those issues. Such standards alone cannot prove conformity with any of the requirements in Annexes I, II and III to Regulation (EU) 2019/1009.
- (15) It is therefore appropriate to request CEN also to draft harmonised standards on sampling methods and common terminology needed in the development of harmonised standards in support of Regulation (EU) 2019/1009.
- (16) Harmonised standards should include detailed technical specifications of the requirements or the tests for verifying conformity with the requirements. They should also indicate clearly the correlation between technical specifications or tests and the requirements they aim to cover. They should also be based on risk assessment and risk reduction methodologies and reflect the generally acknowledged state of the art.
- (17) Information as to which requirements are covered by a harmonised standard is necessary when assessing, in accordance with Article 10(5) of Regulation (EU) No 1025/2012, the compliance of the documents drafted by the European standardisation organisations. Such information is also necessary before publication of references of harmonised standards in the *Official Journal of the European Union* in accordance with Article 10(6) of Regulation (EU) No 1025/2012. In each harmonised standard CEN should therefore describe the extent to which it aims to cover one or several requirements set out in Regulation (EU) 2019/1009.
- (18) Several European and international standards exist in relation to fertilising products. Some European standards are mandatory for checking the compliance with various criteria set in Commission Decision (EU) 2015/2099<sup>5</sup>. If manufacturers intend to use the EU Ecolabel for marketing purposes, they have to respect the criteria in that Decision and apply the standards listed therein. Therefore, a manufacturer cannot choose unilaterally to extract the principles of a test method in a standard for a specific product category to the testing of a different product category. By contrast, the requirements set in Regulation (EU) 2019/1009 will be mandatory for all EU fertilising products made available on the internal market. However, the standards to be developed by CEN based on this request will remain voluntary for manufacturers of such fertilising products, who are also free to justify their choice of alternative standards or technical specifications to prove conformity with the provisions of that Regulation. It is therefore important that, in various standards proving conformity with identically worded provisions in the Regulation, the fundamental principles are also

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<sup>5</sup> Commission Decision (EU) 2015/2099 of 18 September 2015 establishing the ecological criteria for the award of the EU Ecolabel for growing media, soil improvers and mulch (OJ L 303/20.11.2015, p. 75).

identical. Therefore, having in mind the different purpose and construction of Decision (EU) 2015/2099 and Regulation (EU) 2019/1009, CEN should use those standards as well as any other European or international standard as a basis for drafting the standards and European standardisation deliverables in support of Regulation (EU) 2019/1009 only where such standards are suitable for proving conformity with the requirements in that Regulation.

- (19) The standards and the European standardisation deliverables should not interpret or add to the requirements set in Regulation (EU) 2019/1009. For instance, when a requirement refers to a "contaminant in an EU fertilising product", the test methods included by CEN in a standard or a European standardisation deliverable should not measure the leaching of that contaminant from the product nor its bioavailable share in the product.
- (20) The European standardisation organisations have agreed to follow the Guidelines for the execution of standardisation requests<sup>6</sup>.
- (21) In order to ensure transparency and facilitate the execution of the requested standardisation activities CEN should prepare a work programme and submit it to the Commission.
- (22) In order to enable the Commission to better monitor the requested standardisation work, CEN should provide the Commission with access to an overall project plan containing detailed information on the execution of the standardisation request. CEN should promptly inform the Commission if they consider that additional standards or European standardisation deliverables would need to be developed or if they consider that more time would be necessary for the execution of this request.
- (23) In accordance with Article 10(3) of Regulation (EU) No 1025/2012 each standardisation request is subject to acceptance by the relevant European standardisation organisation. It is therefore necessary to provide for the rules on validity of this request if it is not accepted by CEN.
- (24) In order to ensure legal certainty as to the validity of the request after its execution, it is appropriate to provide for a date of expiry of this Decision. Given that the execution of the request may require more time than initially foreseen, it may be necessary to extend the date of expiry taking into account the progress made in the implementation of the work programme prepared by CEN for the execution of the request.
- (25) Given that several European standards have been developed on the basis of standardisation mandates M/335 of 2003, M/418 of 2007 and M/454 of 2009 in support of Regulation (EC) No 2003/2003 which will be replaced by Regulation (EU) 2019/1009, it is appropriate to provide for the end of validity of those standardisation mandates. Considering that Regulation (EC) No 2003/2003 will be repealed as of 16 July 2022, the mandates M/335, M/418 and M/454 should remain valid until that date.
- (26) The European standardisation organisations, the European stakeholders' organisations receiving Union financing and the Fertilisers Working Group have been consulted.
- (27) The measures provided for in this Decision are in accordance with the opinion of the Committee, established by Article 22 of Regulation (EU) No 1025/2012,

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<sup>6</sup> SWD(2015) 205 final of 27 October 2015.

HAS ADOPTED THIS DECISION:

*Article 1*  
*Requested standardisation activities*

The European Committee for Standardisation (CEN) is requested to draft harmonised standards and European standardisation deliverables listed in Annex I to this Decision in support of Regulation (EU) 2019/1009 for EU fertilising products by the deadlines set in that Annex. However, where CEN adopts a harmonised standard listed in Tables 1 and 2 of Annex I before the deadline for adoption of the corresponding European standardisation deliverable listed in Table 3 of Annex I, it shall no longer be required to adopt the corresponding European standardisation deliverable.

The standards and standardisation deliverables referred to in the first paragraph shall meet the relevant requirements set out in Annex II.

*Article 2*  
*Work programme*

CEN shall prepare a work programme indicating all the standards and standardisation deliverables listed in Annex I, the responsible technical bodies and a timetable for the execution of the requested standardisation activities in line with the deadlines set out in that Annex.

CEN shall submit the draft work programme to the Commission by 15 May 2020. CEN shall inform the Commission of any amendments to the work programme.

CEN shall provide the Commission with access to an overall project plan.

*Article 3*  
*Reporting*

1. CEN shall report annually to the Commission on the execution of the request referred to in Article 1 indicating the progress made in implementation of the work programme referenced to in Article 2.
2. CEN shall submit the first annual report to the Commission by 1 April 2021.
3. Subsequent annual reports shall be submitted to the Commission by 1 April each year.
4. CEN shall provide the Commission with the final report by 1 October 2024.
5. CEN shall promptly report to the Commission any major concerns relating to the scope of the request referred to in Article 1 and the deadlines set in Annex I. CEN shall also inform the Commission if it identifies the need to cover the requirements in a different harmonised standard or a European standardisation deliverable than the one indicated in Annex I and provide reasons for such need.

*Article 4*  
*Validity of the standardisation request*

If CEN does not accept the request referred to in Article 1 within a month of receiving it, the request may not constitute a basis for the standardisation activities referred to in that Article.

This Decision shall expire on 1 April 2026.

*Article 5*  
*Expiry of existing standardisation mandates*

Standardisation mandates M/335 of 20 June 2003, M/418 of 5 December 2007 and M/454 of 1 October 2009 shall expire on 15 July 2022.

*Article 6*  
*Addressee*

This Decision is addressed to the European Committee for Standardisation.

Done at Brussels, 10.2.2020

*For the Commission*  
*Thierry BRETON*  
*Member of the Commission*





Brussels, 10.2.2020  
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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  
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**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.	<b>European Standard: Organic and Organo-mineral fertilisers – Determination of specific elements</b>	<p><b>Determination of the cadmium, nickel, mercury and lead content</b> 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</p> <p><b>Determination of the inorganic arsenic content</b> To use as basis the standards: Extraction : EN 13650 Determination : EN 16317 or ISO 11885 or ICP - MS or ICP-OES method or HPLC</p> <p><b>Determination of the total P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O, MgO, CaO and Na<sub>2</sub>O content</b> To use as basis the standards Extraction: EN 13650 or EN 16174 Determination: ISO 11885 or CEN/TS 16170 or CEN/TS 16171</p> <p><b>Determination of the copper and zinc content</b> To use as basis the standards Extraction: EN 13650 Determination: ISO 11885</p> <p><b>Determination of the total SO<sub>3</sub> content</b> To use as basis the standards Extraction: EN 15925 Determination: EN 15749 or</p>	01 April 2024

	<p>Extraction: EN 13650 Determination: ISO 11885</p>	
	<p><b>Determination of the water-soluble MgO, CaO, Na<sub>2</sub>O content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15961 Determination: ISO 11885</p>	
	<p><b>Determination of the water-soluble SO<sub>3</sub> content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15926 Determination: EN 15749 or ISO 11885</p>	
	<p><b>Determination of the total chromium content</b></p> <p>To use as basis the standards:</p> <p>Extraction : EN 13650 Determination : EN 16319 or ISO 11885 or ICP – MS or ICP-OES method</p>	
	<p><b>Determination of the water-soluble P<sub>2</sub>O<sub>5</sub> content (only for organo-mineral fertilisers)</b></p> <p>To use as basis standards</p> <p>Extraction: EN 15958 Determination: ISO 11885 or EN 15959</p>	
	<p><b>Determination of the neutral ammonium citrate soluble P<sub>2</sub>O<sub>5</sub> content (only for organo-mineral fertilisers)</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15957 Determination: ISO 11885 or EN 15959</p>	
	<p><b>Determination of the formic acid soluble P<sub>2</sub>O<sub>5</sub> content (only for organo-mineral fertilisers)</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15919 Determination: ISO 11885 or EN 15959</p>	

	<p><b>Determination of the water-soluble K<sub>2</sub>O content (only for organo-mineral fertilisers)</b></p> <p>To use as basis the standard: EN 15477</p>	
	<p><b>Determination of the total boron content (only for organo-mineral fertilisers)</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 13650</p> <p>Determination: ISO 11885 or ICP MS procedure</p>	
	<p><b>Determination of the total cobalt content (only for organo-mineral fertilisers)</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 13650</p> <p>Determination: ISO 11885 or ICP MS procedure</p>	
	<p><b>Determination of the total iron content (only for organo-mineral fertilisers)</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 13650</p> <p>Determination: ISO 11885 or ICP MS procedure</p>	
	<p><b>Determination of the total manganese content (only for organo-mineral fertilisers)</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 13650</p> <p>Determination: ISO 11885 or ICP MS procedure</p>	
	<p><b>Determination of the total molybdenum content (only for organo-mineral fertilisers)</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 13650</p> <p>Determination: ISO 11885 or ICP MS procedure</p>	
	<p><b>Determination of the water-soluble boron content (only for organo-mineral fertilisers)</b></p>	

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

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

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

	content		
9.	<b>European Standard: Organic and Organo-mineral fertilisers- Determination of the quantity (indicated by mass or volume)</b>	<b>Determination of the quantity (indicated by mass or volume)</b>  To be developed	01 April 2024
10.	<b>European Standard: Organic and organo-mineral fertilisers – Description of the physical unit</b>	<b>Description of the physical unit</b>  To be developed	01 April 2024
11.	<b>European Standard: Organo-mineral fertilisers - Determination of the nitrogen content as a result of ammonium nitrate</b>	<b>Determination of the nitrogen content as a result of ammonium nitrate</b>  To be developed	01 April 2024
12.	<b>European Standard: Organo-mineral fertilisers – Determination of chelating and complexing agents</b>	<p><b>Determination of the fraction of chelated micronutrients</b> To use as basis the standard: Determination: EN 13366</p> <hr/> <p><b>Identification of chelating agents</b> 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</p> <hr/> <p><b>Determination of the fraction of complexed micronutrients</b></p>	01 April 2024

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



		<b>content</b> To use as a basis the standard: EN 16319	
15.	<b>European Standard: Inorganic fertilisers – Determination of specific nutrients</b>	<b>Determination of the total nitrogen content</b> To use as basis the standards: EN 15560 or EN 15561 or EN 15478 or EN 15750	01 April 2024
		<b>Determination of the ammoniacal nitrogen content</b> To use as basis the standard: EN 15475	
		<b>Determination of the nitric nitrogen content</b> To use as basis the standards: EN 15604 or EN 15476	
		<b>Determination of the urea nitrogen content</b> To use as basis the standard: EN 15604 (not validated for products containing cyanamide nitrogen)	
		<b>Determination of the content of nitrogen from urea formaldehyde, isobutylidenediurea and crotonylidenediurea</b> To use as basis the standard: EN 15705	
		<b>Determination of the cyanamide nitrogen content</b> To use as basis the standards: EN 15562 or EN 15604 or EN 15560 or EN 15561	
		<b>Determination of the methylene-urea nitrogen content</b> To use as basis the standard: EN 15478	
		<b>Determination of the total P<sub>2</sub>O<sub>5</sub> content</b> To use as basis the standards Extraction: EN 15956 Determination: EN 15959	
		<b>Determination of the water-soluble P<sub>2</sub>O<sub>5</sub> content</b> To use as basis the standards Extraction: EN 15958 Determination: EN 15959	

	<p><b>Determination of the neutral ammonium citrate soluble P<sub>2</sub>O<sub>5</sub> content</b></p> <p>To use as basis standards</p> <p>Extraction: EN 15957</p> <p>Determination: EN 15959</p>	
	<p><b>Determination of the formic acid soluble P<sub>2</sub>O<sub>5</sub> content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15919</p> <p>Determination: EN 15959</p>	
	<p><b>Determination of the total K<sub>2</sub>O content</b></p> <p>To use as basis the standard</p> <p>Extraction: ISO 7407 (and to develop the analytical part for determination)</p>	
	<p><b>Determination of the water-soluble K<sub>2</sub>O content</b></p> <p>To use as basis the standard</p> <p>Determination: EN 15477</p>	
	<p><b>Determination of the total MgO content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15960</p> <p>Determination: EN 16197 or EN 16198</p>	
	<p><b>Determination of the water-soluble MgO content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15961</p> <p>Determination: EN 16107 or EN 16198 or ICP-MS method</p>	
	<p><b>Determination of the total CaO content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15960</p> <p>Determination: EN 16196 or ICP-MS method</p>	
	<p><b>Determination of the water-soluble CaO content</b></p> <p>To use as basis the standards</p>	

		<p>Extraction: EN 15961 Determination: EN 16196 or ICP-MS method</p> <p><b>Determination of the total SO<sub>3</sub> content</b> To use as basis the standards Extraction: EN 15960 or EN 15925 Determination: EN 15749</p> <p><b>Determination of the water-soluble SO<sub>3</sub> content</b> To use as basis the standards Extraction: EN 15961 or EN 15926 Determination: EN 15749</p> <p><b>Determination of the total Na<sub>2</sub>O content</b> To use as basis the standards Extraction: EN 15960 Determination: EN 16199</p> <p><b>Determination of the water-soluble Na<sub>2</sub>O content</b> To use as basis the standards Extraction: EN 15961 Determination: EN 16199 or ISO 11885 or ICP method</p>	
16.	<p><b>European Standard: Inorganic fertilisers – Determination of specific parameters in ammonium nitrate fertilisers of high nitrogen content</b></p>	<p><b>Determination of the nitrogen content as a result of ammonium nitrate</b> To use as basis the standard: EN 15476 or ISO 11855 or EN 1699</p> <p><b>Determination of the combustible ingredient content</b> To use as basis method 3 of Annex III to Regulation (EC) 2003/2003</p> <p><b>Determination of pH of a solution</b> To use as basis method 4 of Annex III to Regulation (EC) 2003/2003</p> <p><b>Determination of particle size</b> To use as basis method 5 of Annex III to</p>	01 April 2024

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

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

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

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

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



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

	<b>Organic soil improvers and Growing media– Detection of specific pathogens</b>	CEN/TR 15215 <b>Detection of <i>Escherichia coli</i></b> To use as basis the standards: ISO 16649-2 or EN ISO 9308-3 or CEN/TR 16193 <b>Detection of <i>Enterococcaceae</i></b> To use as basis the standard: EN 15788 or EN ISO 7899-1 or BEA method	
25.	<b>European Standard: Soil improvers – Determination of specific parameters</b>	<b>Determination of the dry matter content</b> To use as basis the standard: EN 13040 <b>Determination of the nitrogen content</b> To use as basis the standards: EN 13654-1 or EN 13654-2 <b>Determination of the P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O content</b> To use as basis the standards: EN 13650 <b>Determination of the total copper and zinc content</b> To use as basis the standards: EN 13650 <b>Determination of quantity (indicated by mass or volume)</b> To use as basis the standards: EN 12580 or EN 15238 <b>Determination of the chloride content</b> To use as basis the standard Determination: EN 16195	01 April 2024
26.	<b>European Standard: Organic soil improvers - Determination of specific parameters</b>	<b>Determination of the organic carbon content</b> To use as basis the standard: EN 15936 <b>Determination of pH</b> To use as basis standard: EN 13037 <b>Determination of electrical conductivity</b> To use as basis the standard: EN 13038 <b>Determination of the organic nitrogen content</b> To be developed	01 April 2024

27.	<b>European Standard:</b> <b>Growing media</b> – <b>Determination of specific parameters</b>	<b>Determination of the electrical conductivity</b> To use as basis the standard: EN 13038	01 April 2024
		<b>Determination of pH</b> To use as basis standard: EN 13037	
		<b>Determination of dry matter</b> To be developed	
		<b>Determination of the nitrogen, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O content extractable by CaCl<sub>2</sub>/DTPA</b> To use as basis the standard: EN 13651	
		<b>Determination of the total copper and zinc content</b> To use as basis the standards: EN 13650	
		<b>Determination of quantity</b> To use as basis the standards : EN 12580 or EN 15238 or EN 15761	
		<b>Determination of the chloride content</b> To use as basis the standard Determination: EN 16195	
28.	<b>European Standard:</b> <b>Plant biostimulants -</b> <b>Determination of specific elements</b>	<b>Determination of the cadmium and lead content</b> 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
		<b>Determination of the nickel content</b> To use as basis the standards Extraction: by aqua regia EN 13650 Determination: ISO 11885 or EN 16319	
		<b>Determination of the mercury content</b> To use as basis the standard: EN 16320 or EN 16175-1	
		<b>Determination of the copper and zinc</b>	

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

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

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

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

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



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

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

	<b>methods and sample preparation</b> To be developed	
4.	<b>European Standard: Growing media and soil improvers - Sampling methods and sample preparation</b> To use as basis standards: EN 12579 or EN 13040	01 April 2024
5.	<b>European Standard: Growing media and soil improvers - Terminology</b> To use as basis standards: EN 12579 or EN 13040	01 April 2024
6.	<b>European Standard: Plant biostimulants – Sampling methods and sample preparation</b> To be developed	01 April 2024
7.	<b>European Standard: Microbial plant biostimulants – Preparation of sample for microbial analysis</b> To be developed	01 April 2024
8.	<b>European Standard: Plant Biostimulants – Terminology</b> To be developed	01 April 2024
9.	<b>European Standard: Plant Biostimulants – Claims – General Principles</b> 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.	<b>Technical Specification: Organic and Organo-mineral fertilisers – Determination of specific elements</b>	<b>Determination of the cadmium, nickel and lead content</b> 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
<b>Determination of the inorganic arsenic content</b>			

	<p>To use as basis the standards:  Extraction : EN 13650  Determination : EN 16317 or ISO 11885 or ICP - MS or ICP-OES method or HPLC</p>	
	<p><b>Determination of the total P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O, MgO, CaO and Na<sub>2</sub>O content</b>  To use as basis the standards  Extraction: EN 13650 or EN 16174  Determination: ISO 11885 or CEN/TS 16170 or CEN/TS 16171</p>	
	<p><b>Determination of the copper and zinc content</b>  To use as basis the standards  Extraction: EN 13650  Determination: ISO 11885</p>	
	<p><b>Determination of the total SO<sub>3</sub> content</b>  To use as basis the standards  Extraction: EN 15925  Determination: EN 15749  or  Extraction: EN 13650  Determination: ISO 11885</p>	
	<p><b>Determination of the water-soluble MgO, CaO, Na<sub>2</sub>O content</b>  To use as basis the standards  Extraction: EN 15961  Determination: ISO 11885</p>	
	<p><b>Determination of the water-soluble SO<sub>3</sub> content</b>  To use as basis the standards  Extraction: EN 15926  Determination: EN 15749 or ISO 11885</p>	
	<p><b>Determination of the total chromium content</b>  To use as basis the standards:</p>	

		<p>Extraction : EN 13650  Determination : EN 16319 or ISO 11885  or ICP – MS or ICP-OES method</p>	
		<p><b>Determination of the water-soluble P<sub>2</sub>O<sub>5</sub> content (only for organo-mineral fertilisers)</b>  To use as basis standards  Extraction: EN 15958  Determination: ISO 11885 or EN 15959</p>	
		<p><b>Determination of the neutral ammonium citrate soluble P<sub>2</sub>O<sub>5</sub> content (only for organo-mineral fertilisers)</b>  To use as basis the standards  Extraction: EN 15957  Determination: ISO 11885 or EN 15959</p>	
		<p><b>Determination of the formic acid soluble P<sub>2</sub>O<sub>5</sub> content (only for organo-mineral fertilisers)</b>  To use as basis the standards  Extraction: EN 15919  Determination: ISO 11885 or EN 15959</p>	
		<p><b>Determination of the water-soluble K<sub>2</sub>O content (only for organo-mineral fertilisers)</b>  To use as basis the standard: EN 15477</p>	
		<p><b>Determination of the total boron content (only for organo-mineral fertilisers)</b>  To use as basis the standards  Extraction: EN 13650  Determination: ISO 11885  or ICP MS procedure</p>	
		<p><b>Determination of the total cobalt content (only for organo-mineral fertilisers)</b>  To use as basis the standards  Extraction: EN 13650  Determination: ISO 11885  or ICP MS procedure</p>	

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

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

	<b>Determination of phosphonates</b>		
3.	<b>Technical Specification: Organic and Organo-mineral fertilisers – Determination of chromium VI</b>	<b>Determination of the chromium VI content</b> 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.	<b>Technical Specification: Organic and Organo-mineral fertilisers – Determination of biuret</b>	<b>Determination of the biuret content</b> To use as basis the standard: ISO 18643	01 April 2022
5.	<b>Technical Specification: Organic and Organo-mineral fertilisers – Determination of mercury</b>	<b>Determination of the mercury content</b> 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.	<b>Technical Specification: Organic and Organo-mineral fertilisers– Detection of specific pathogens</b>	<b>Detection of <i>Salmonella</i> spp</b> To use as basis the standard: EN ISO 6579 or CEN/TR 15215	01 April 2022
		<b>Detection of <i>Escherichia coli</i></b> To use as basis the standards: FD/CEN TR 16193-B or NF EN ISO 16649-2	
		<b>Detection of <i>Enterococcaceae</i></b> To use as basis the standards: EN ISO 7899-1 or EN 15788 or BEA method	
7.	<b>Technical Specification: Organic and</b>	<b>Determination of the total nitrogen content</b> To use as basis the standards: EN 13654-2 or EN 13654-1 or NEN 7438 or EN 15561	01 April 2022

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



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

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

	<p><b>Determination of the urea nitrogen content</b></p> <p>To use as basis the standard: EN 15604 (not validated for products containing cyanamide nitrogen)</p>	
	<p><b>Determination of the content of nitrogen from urea formaldehyde, isobutylidenediurea and crotonylidenediurea</b></p> <p>To use as basis the standard: EN 15705</p>	
	<p><b>Determination of the cyanamide nitrogen content</b></p> <p>To use as basis the standards: EN 15562 or EN 15604 or EN 15560 or EN 15561</p>	
	<p><b>Determination of the methylene-urea nitrogen content</b></p> <p>To use as basis the standard: EN 15478</p>	
	<p><b>Determination of the total P<sub>2</sub>O<sub>5</sub> content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15956</p> <p>Determination: EN 15959</p>	
	<p><b>Determination of the water-soluble P<sub>2</sub>O<sub>5</sub> content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15958</p> <p>Determination: EN 15959</p>	
	<p><b>Determination of the neutral ammonium citrate soluble P<sub>2</sub>O<sub>5</sub> content</b></p> <p>To use as basis standards</p> <p>Extraction: EN 15957</p> <p>Determination: EN 15959</p>	
	<p><b>Determination of the formic acid soluble P<sub>2</sub>O<sub>5</sub> content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15919</p> <p>Determination: EN 15959</p>	

		<p><b>Determination of the total K<sub>2</sub>O content</b></p> <p>To use as basis the standard</p> <p>Extraction: ISO 7407 (and to develop the analytical part for determination)</p>	
		<p><b>Determination of the water-soluble K<sub>2</sub>O content</b></p> <p>To use as basis the standard</p> <p>Determination: EN 15477</p>	
		<p><b>Determination of the total MgO content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15960</p> <p>Determination: EN 16197 or EN 16198</p>	
		<p><b>Determination of the water-soluble MgO content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15961</p> <p>Determination: EN 16107 or EN 16198 or ICP-MS method</p>	
		<p><b>Determination of the total CaO content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15960</p> <p>Determination: EN 16196 or ICP-MS method</p>	
		<p><b>Determination of the water-soluble CaO content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15961</p> <p>Determination: EN 16196 or ICP-MS method</p>	
		<p><b>Determination of the total SO<sub>3</sub> content</b></p> <p>To use as basis the standards</p> <p>Extraction: EN 15960 or EN 15925</p> <p>Determination: EN 15749</p>	
		<p><b>Determination of the water-soluble SO<sub>3</sub> content</b></p> <p>To use as basis the standards</p>	

		<p>Extraction: EN 15961 or EN 15926 Determination: EN 15749</p> <p><b>Determination of the total Na<sub>2</sub>O content</b> To use as basis the standards Extraction: EN 15960 Determination: EN 16199</p> <p><b>Determination of the water-soluble Na<sub>2</sub>O content</b> To use as basis the standards Extraction: EN 15961 Determination: EN 16199 or ISO 11885 or ICP method</p>	
17.	<p><b>Technical Specification: Inorganic fertilisers – Determination of specific parameters in ammonium nitrate fertilisers of high nitrogen content</b></p>	<p><b>Determination of the nitrogen content as a result of ammonium nitrate</b> To use as basis the standard: EN 15476 or ISO 11855 or EN 1699</p> <p><b>Determination of the combustible ingredient content</b> To use as basis method 3 of Annex III to Regulation (EC) 2003/2003</p> <p><b>Determination of pH of a solution</b> To use as basis method 4 of Annex III to Regulation (EC) 2003/2003</p> <p><b>Determination of particle size</b> To use as basis method 5 of Annex III to Regulation (EC) 2003/2003</p> <p><b>Determination of the chloride content</b> To use as basis method 6 of Annex III to Regulation (EC) 2003/2003</p> <p><b>Determination of the copper content</b> To use as basis method 7 of Annex III to Regulation (EC) 2003/2003</p>	01 April 2022
18.	<p><b>Technical Specification: Inorganic fertilisers - Determination</b></p>	<p><b>Determination of the total boron content</b> To use as basis standards Extraction: EN 16964 Determination: EN 16963 or EN 17042 or EN</p>	01 April 2022

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

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

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



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

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

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

	<b>of specific parameters</b>	EN 13654-2	
		<b>Determination of the P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O content</b> To use as basis the standard: EN 13650	
		<b>Determination of the total copper and zinc content</b> To use as basis the standard: EN 13650	
		<b>Determination of quantity (indicated by mass or volume)</b> To use as basis the standards: EN 12580 or EN 15238	
		<b>Determination of the chloride content</b> To use as basis the standard Determination: EN 16195	
27.	<b>Technical Specification: Organic soil improvers - Determination of specific parameters</b>	<b>Determination of the organic carbon content</b> To use as basis the standard: EN 15936	01 April 2022
		<b>Determination of pH</b> To use as basis standard: EN 13037	
		<b>Determination of electrical conductivity</b> To use as basis the standard: EN 13038	
		<b>Determination of the organic nitrogen content</b> To be developed	
28.	<b>Technical Specification: Growing media – Determination of specific parameters</b>	<b>Determination of the electrical conductivity</b> To use as basis the standard: EN 13038	01 April 2022
		<b>Determination of pH</b> To use as basis standard: EN 13037	
		<b>Determination of dry matter</b> To be developed	
		<b>Determination of the nitrogen, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O content extractable by CaCl<sub>2</sub>/DTPA</b> To use as basis the standard: EN 13651	
		<b>Determination of the total copper and zinc content</b>	

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

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

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

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



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

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

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

	<b>methods and sample preparation</b>		
<b>64.</b>	<b>Technical Specification: Growing media and soil improvers - Terminology</b>	<b>Growing media and soil improvers - Terminology</b> To use as basis standards: EN 12579 or EN 13040	01 April 2022
<b>65.</b>	<b>Technical Specification: Plant biostimulants – Sampling methods and sample preparation</b>	<b>Plant biostimulants – Sampling methods and sample preparation</b> To be developed	01 April 2022
<b>66.</b>	<b>Technical Specification: Microbial plant biostimulants – Preparation of sample for microbial analysis</b>	<b>Microbial plant biostimulants – Preparation of sample for microbial analysis</b> To be developed	01 April 2022
<b>67.</b>	<b>Technical Specification: Plant Biostimulants – Terminology</b>	<b>Plant Biostimulants – Terminology</b> To be developed	01 April 2022
<b>68.</b>	<b>Technical Specification: Plant Biostimulants – Claims – General Principles</b>	<b>Plant Biostimulants – Claims – General Principles</b> 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 alternative 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
<b>Organic fertilisers - Determination of the mercury content</b>	Annex I, Part II, PFC 1(A), point 2(c)
<b>Organic fertilisers - Determination of the cadmium, nickel and lead content</b>	Annex I, Part II, PFC 1(A), point 2(a), (d) and (e)
<b>Organic fertilisers - Determination of the chromium VI content</b>	Annex I, Part II, PFC 1(A), point 2(b)
<b>Organic fertilisers - Determination of the biuret content</b>	Annex I, Part II, PFC 1(A), point 2
<b>Organic fertilisers - Determination of the inorganic arsenic content</b>	Annex I, Part II, PFC 1(A), point 2(f)
<b>Organic fertilisers - Determination of the total chromium content</b>	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)
<b>Organic fertilisers - Determination of the phosphonates content</b>	Annex I, Part II, point 6
<b>Organic fertilisers - Detection of <i>Salmonella</i> spp</b>	Annex I, Part II, PFC 1(A), point 4
<b>Organic fertilisers - Detection of <i>Escherichia coli</i></b>	Annex I, Part II, PFC 1(A), point 4
<b>Organic fertilisers - Detection of <i>Enterococcaceae</i></b>	Annex I, Part II, PFC 1(A), point 4
<b>Organic fertilisers - Determination of the total nitrogen content</b>	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)
<b>Organic fertilisers - Determination of the total P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O, MgO, CaO and Na<sub>2</sub>O content</b>	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)
<b>Organic fertilisers - Determination of the total SO<sub>3</sub> content</b>	Annex III, Part II, PFC 1(A), points (c) and (d)
<b>Organic fertilisers – Determination of the copper and zinc content</b>	Annex I, Part II, PFC 1(A), point 3
<b>Organic fertilisers - Determination of the water-soluble MgO, CaO, Na<sub>2</sub>O content</b>	Annex III, Part II, PFC 1(A), point (d)
<b>Organic fertilisers - Determination of the water-soluble SO<sub>3</sub> content</b>	Annex III, Part II, PFC 1(A), point (d)

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

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



<b>Organo-mineral fertilisers - Determination of the total chromium content</b>	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)
<b>Organo-mineral fertilisers - Determination of the phosphonates content</b>	Annex I, Part II, point 6
<b>Organo-mineral fertilisers - Determination of the biuret content</b>	Annex I, Part II, PFC 1(B), point 3(g)
<b>Organo-mineral fertilisers - Detection of <i>Salmonella</i> spp</b>	Annex I, Part II, PFC1(B), point 5
<b>Organo-mineral fertilisers - Detection of <i>Escherichia coli</i></b>	Annex I, Part II, PFC1(B), point 5
<b>Organo-mineral fertilisers - Detection of <i>Enterococcaceae</i></b>	Annex I, Part II, PFC1(B), point 5
<b>Organo-mineral fertilisers - Determination of the copper and zinc content</b>	Annex I, Part II, PFC 1(B), point 4 Annex III, Part II, PFC 1(B), points 3 and 4
<b>Organo-mineral fertilisers - Determination of the total nitrogen content</b>	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)
<b>Organo-mineral fertilisers - Determination of the total P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O, MgO, CaO, Na<sub>2</sub>O content</b>	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)

<b>Organo-mineral fertilisers - Determination of the organic carbon content</b>	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
<b>Organo-mineral fertilisers - Determination of the ammoniacal nitrogen content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers - Determination of the nitric nitrogen content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers - Determination of the urea nitrogen content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers - Determination of the organic nitrogen content</b>	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)
<b>Organo-mineral fertilisers - Determination of the water-soluble P<sub>2</sub>O<sub>5</sub> content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers - Determination of the neutral ammonium citrate soluble P<sub>2</sub>O<sub>5</sub> content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers - Determination of the formic acid soluble P<sub>2</sub>O<sub>5</sub> content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers - Determination of the water-soluble K<sub>2</sub>O content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers - Determination of the water-soluble MgO and CaO content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers – Determination of the total SO<sub>3</sub> content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers - Determination of the water-soluble SO<sub>3</sub> content</b>	Annex III, Part II, PFC 1(B), point 1(d)
<b>Organo-mineral fertilisers - Determination of the</b>	Annex III, Part II, PFC

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

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

<b>Requirement</b>	<b>Reference to provisions</b>
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<b>Inorganic fertilisers - Determination of the mercury content</b>	Annex I, Part II, PFC 1(C)(I), point 2(c) Annex I, Part II, PFC 1(C)(II), point 3
<b>Inorganic fertilisers - Determination of the cadmium, nickel, arsenic and lead content</b>	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
<b>Inorganic fertilisers - Determination of the chromium VI content</b>	Annex I, Part II, PFC 1(C)(I), point 2(b)
<b>Inorganic fertilisers - Determination of the biuret content</b>	Annex I, Part II, PFC 1(C)(I), point 2(g)
<b>Inorganic fertilisers - Determination of the perchlorate content</b>	Annex I, Part II, PFC 1(C)(I), point 2(h)
<b>Inorganic fertilisers - Determination of the total nitrogen content</b>	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)
<b>Inorganic fertilisers - Determination of the ammoniacal nitrogen content</b>	Annex III, Part II, PFC1, point 4(c) Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the nitric nitrogen content</b>	Annex III, Part II, PFC1, point 4(c) Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of urea nitrogen content</b>	Annex III, Part II, PFC1, point 4(c)

	Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the content of nitrogen from urea formaldehyde, isobutylidenediurea and crotonylidenediurea</b>	Annex III, Part II, PFC1, point 4(c) Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the cyanamide nitrogen content</b>	Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers – Determination of the methylene-urea nitrogen content</b>	Annex III, Part II, PFC1, point 4(c)
<b>Inorganic fertilisers - Determination of the total P<sub>2</sub>O<sub>5</sub> content</b>	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)
<b>Inorganic fertilisers - Determination of the water-soluble P<sub>2</sub>O<sub>5</sub> content</b>	Annex III, Part II, PFC1, point 4(b) Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the neutral ammonium citrate soluble P<sub>2</sub>O<sub>5</sub> content</b>	Annex III, Part II, PFC1, point 4(b) Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the formic acid soluble P<sub>2</sub>O<sub>5</sub> content</b>	Annex III, Part II, PFC1, point 4(b) Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the total K<sub>2</sub>O content</b>	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

	<p>1(C)(I)(b)(i), point 2</p> <p>Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(c)</p> <p>Annex III, Part II, PFC1(C)(I), point 1(c)</p>
<b>Inorganic fertilisers - Determination of the water-soluble K<sub>2</sub>O content</b>	Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the total MgO content</b>	<p>Annex I, Part II, PFC 1(C)(I)(a)(i), point 2</p> <p>Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(d)</p> <p>Annex I, Part II, PFC 1(C)(I)(b)(i), point 2</p> <p>Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(d)</p> <p>Annex III, Part II, PFC1(C)(I), point 1(c) and (d)</p>
<b>Inorganic fertilisers - Determination of the water-soluble MgO content</b>	Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the total CaO content</b>	<p>Annex I, Part II, PFC 1(C)(I)(a)(i), point 2</p> <p>Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(e)</p> <p>Annex I, Part II, PFC 1(C)(I)(b)(i), point 2</p> <p>Annex I, Part II, PFC 1(C)(I)(b)(ii), point 2(e)</p> <p>Annex III, Part II, PFC1(C)(I), point 1(c) and (d)</p>
<b>Inorganic fertilisers - Determination of the water-soluble CaO content</b>	Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the total SO<sub>3</sub> content</b>	<p>Annex I, Part II, PFC 1(C)(I)(a)(i), point 2</p> <p>Annex I, Part II, PFC 1(C)(I)(a)(ii), point 2(f)</p> <p>Annex I, Part II, PFC 1(C)(I)(b)(i), point 2</p>

	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)
<b>Inorganic fertilisers - Determination of the water-soluble SO<sub>3</sub> content</b>	Annex III, Part II, PFC1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the total Na<sub>2</sub>O content</b>	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)
<b>Inorganic fertilisers - Determination of the water-soluble Na<sub>2</sub>O content</b>	Annex III, Part II, PFC 1(C)(I), point 1(d)
<b>Inorganic fertilisers - Determination of the nitrogen content as a result of ammonium nitrate in ammonium nitrate fertilisers of high nitrogen content</b>	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 1
<b>Inorganic fertilisers - Determination of the combustible ingredient content in ammonium nitrate fertilisers of high nitrogen content</b>	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 6
<b>Inorganic fertilisers - Determination of pH of a solution of ammonium nitrate fertiliser of high nitrogen content</b>	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 7
<b>Inorganic fertilisers - Determination of particle size of ammonium nitrate fertilisers of high nitrogen content</b>	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 8
<b>Inorganic fertilisers - Determination of the chloride content in ammonium nitrate fertilisers of high nitrogen content</b>	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 9
<b>Inorganic fertilisers - Determination of the copper content of ammonium nitrate fertilisers of high nitrogen content</b>	Annex I, Part II, PFC 1(C)(I)(a)(i-ii)(A), point 9
<b>Inorganic fertilisers - Determination of the total boron content</b>	Annex I, Part II, PFC 1(C)(II)(a), point 2,



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

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

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

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

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

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

<b>Inorganic fertilisers - Determination of the denitrification inhibitor content</b>	Annex III, Part II, PFC 1, point 3(c)
<b>Inorganic fertilisers - Determination of the urease inhibitor content</b>	Annex III, Part II, PFC 1, point 3(d)
<b>Inorganic fertilisers - Determination of the quantity (indicated by mass or volume)</b>	Annex III, Part I, point 1(c)
<b>Inorganic fertilisers - Determination of the chloride content</b>	Annex III, Part I, point 9
<b>Inorganic fertilisers - Determination of the granulometry</b>	Annex III, Part II, PFC1(C)(I)(a), point 2
<b>Inorganic fertilisers – Determination of the organic carbon content</b>	Annex I, Part II, PFCI(C), point 2 Annex III, Part II, PFC I, point 4
<b>Inorganic fertilisers - Detection of <i>Salmonella</i> spp</b>	Annex I, Part II, PFC 1(C), point 2
<b>Inorganic fertilisers - Detection of <i>Escherichia coli</i></b>	Annex I, Part II, PFC 1(C), point 2
<b>Inorganic fertilisers - Detection of <i>Enterococcaceae</i></b>	Annex I, Part II, PFC 1(C), point 2
<b>Inorganic fertilisers - Determination of the phosphonates content</b>	Annex I, Part II, point 6
<b>Inorganic fertilisers - Determination of the total chromium content</b>	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.

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



<b>content</b>	
<b>Liming materials - Determination of the total chromium content</b>	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)

## 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.

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

	3(B), point 3
<b>Organic soil improvers - Detection of <i>Salmonella</i> spp</b>	Annex I, Part II, PFC 3(A), point 4
<b>Organic soil improvers - Detection of <i>Escherichia coli</i></b>	Annex I, Part II, PFC 3(A), point 4
<b>Organic soil improvers - Detection of <i>Enterococcaceae</i></b>	Annex I, Part II, PFC 3(A), point 4
<b>Soil improvers - Determination of the dry matter content</b>	Annex I, Part II, PFC 3 (A), point 5 Annex III, Part II, PFC 3, point 1
<b>Organic soil improvers - Determination of the organic carbon content</b>	Annex I, Part II, PFC 3A, point 6 Annex III, Part II, PFC 3(A), third dash
<b>Soil improvers - Determination of the nitrogen content</b>	Annex III, Part II, PFC 3
<b>Soil improvers - Determination of the P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O content</b>	Annex III, Part II, PFC 3
<b>Organic soil improvers - Determination of pH</b>	Annex III, Part II, PFC 3(A), first dash
<b>Organic soil improvers - Determination of electrical conductivity</b>	Annex III, Part II, PFC 3(A), second dash
<b>Organic soil improvers - Determination of the organic nitrogen content</b>	Annex III, Part II, PFC 3(A), fourth dash
<b>Soil improvers - Determination of quantity (indicated by mass or volume)</b>	Annex III, Part I, point 1(c)
<b>Soil improvers - Determination of the chloride content</b>	Annex III, Part I, point 9
<b>Soil improvers - Determination of the phosphonates content</b>	Annex I, Part II, point 6
<b>Soil improvers - Determination of the total chromium content</b>	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)
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## 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.

<b>Requirement</b>	<b>Reference to provisions</b>
<b>Growing media - Determination of the cadmium, lead and nickel content</b>	Annex I, Part II, PFC 4, point 2(a), (d) and (e)
<b>Growing media - Determination of the chromium VI content</b>	Annex I, Part II, PFC 4, point 2(b)
<b>Growing media - Determination of the mercury content</b>	Annex I, Part II, PFI, point 2(c)
<b>Growing media - Determination of the inorganic arsenic content</b>	Annex I, Part II, PFC 4, point 2(f)
<b>Growing media - Determination of the total copper and zinc content</b>	Annex I, Part II, PFC 4, point 3
<b>Growing media - Detection of <i>Salmonella spp</i></b>	Annex I, Part II, PFC 4, point 4
<b>Growing media - Detection of <i>Escherichia coli</i></b>	Annex I, Part II, PFC 4, point 4
<b>Growing media - Detection of <i>Enterococcaceae</i></b>	Annex I, Part II, PFC 4, point 4
<b>Growing media - Determination of the electrical conductivity</b>	Annex III, Part II, PFC 4, first dash
<b>Growing media - Determination of pH</b>	Annex III, Part II, PFC 4, second dash
<b>Growing media - Determination of the nitrogen, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O content extractable by CaCl<sub>2</sub>/DTPA</b>	Annex III, Part II, PFC 4, fourth, fifth, and sixth dashes

<b>Growing media - Determination of quantity</b>	Annex III, Part II, PFC 4, points 2 and 3
<b>Growing media - Determination of dry matter</b>	Annex I, Part II, PFC 4, third dash
<b>Growing media - Determination of the chloride content</b>	Annex III, Part I, point 8
<b>Growing media - Determination of the phosphonates content</b>	Annex I, Part II, point 6
<b>Growing media - Determination of the total chromium content</b>	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.

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

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

	Annex II, Part II, CMC 7, second dash
<b>Plant biostimulants - Determination of quantity (indicated by mass or volume)</b>	Annex III, Part I, point 1(c)
<b>Microbial plant biostimulant - Determination of microorganisms concentration</b>	Annex III, Part II, PFC 6(A)
<b>Plant biostimulants - Determination of dry matter</b>	Annex I, Part II, PFC 6 Annex III, Part II, PFC 6
<b>Plant biostimulants - Determination of the chloride content</b>	Annex III, Part I, point 9
<b>Plant biostimulants - Determination of the phosphonates content</b>	Annex I, Part II, point 6
<b>Plant biostimulants - Determination of the total chromium content</b>	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.

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

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

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



	point 1(e)
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## 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.

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