

STN	Rastlinné biostimulátory Odber a príprava vzoriek Časť 2: Príprava vzorky	STN EN 17702-2 46 5603
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Plant biostimulants - Sampling and sample preparation - Part 2: Sample preparation

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/25

Obsahuje: EN 17702-2:2024

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

EN 17702-2

NORME EUROPÉENNE

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English Version

Plant biostimulants - Sampling and sample preparation - Part 2: Sample preparation

Biostimulants des végétaux - Échantillonnage et
préparation des échantillons - Partie 2 : Préparation
des échantillons

Pflanzen-Biostimulanzien - Probenahme und
Probenvorbereitung - Teil 2: Probenvorbereitung

This European Standard was approved by CEN on 26 August 2024.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 17702-2:2024 (E)

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European foreword

This document (EN 17702-2:2024) has been prepared by Technical Committee CEN/TC 455 “Plant biostimulants”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2025, and conflicting national standards shall be withdrawn at the latest by May 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN/TS 17702-2:2022.

In comparison with the previous edition, the following technical modifications have been made:

— Introduction, Scope, Terms and definitions, Figures, Bibliography have been updated.

The EN 17702 series, *Plant biostimulants — Sampling and sample preparation*, consists of the following parts:

— *Part 1: Sampling;*

— *Part 2: Sample preparation.*

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 17702-2:2024 (E)**Introduction**

The European Committee for Standardization (CEN) was requested by the European Commission (EC) to draft European Standards or European Standardization deliverables to support the implementation of Regulation (EU) 2019/1009 of 5 June 2019 laying down rules on the making available on the market of EU fertilising products (“FPR” or “Fertilising Products Regulation”).

This standardization request, presented as M/564 and relevant amendments, also contributes to the Communication on “Innovating for Sustainable Growth: A Bio economy for Europe”. The interest in plant biostimulants has increased significantly in Europe as a valuable tool to use in agriculture. Standardization was identified as having an important role in order to promote the use of biostimulants. The work of CEN/TC 455 seeks to improve the reliability of the supply chain, thereby improving the confidence of farmers, industry, and consumers in biostimulants, and will promote and support commercialisation of the European biostimulant industry.

This document covers the following aspects of sample preparation, derived from prEN 1482-2:2023. This document is presented in a form adapted to the specificity of plant biostimulants. The title of the standard is given in the Bibliography.

This document is addressed mainly to official laboratories which intend to perform analysis for quality and safety control of non-microbial plant biostimulants. The laboratories will have a reference document on how to properly prepare sample for analysis.

Figure 1 gives a schematic diagram of the sampling and sample preparation process.

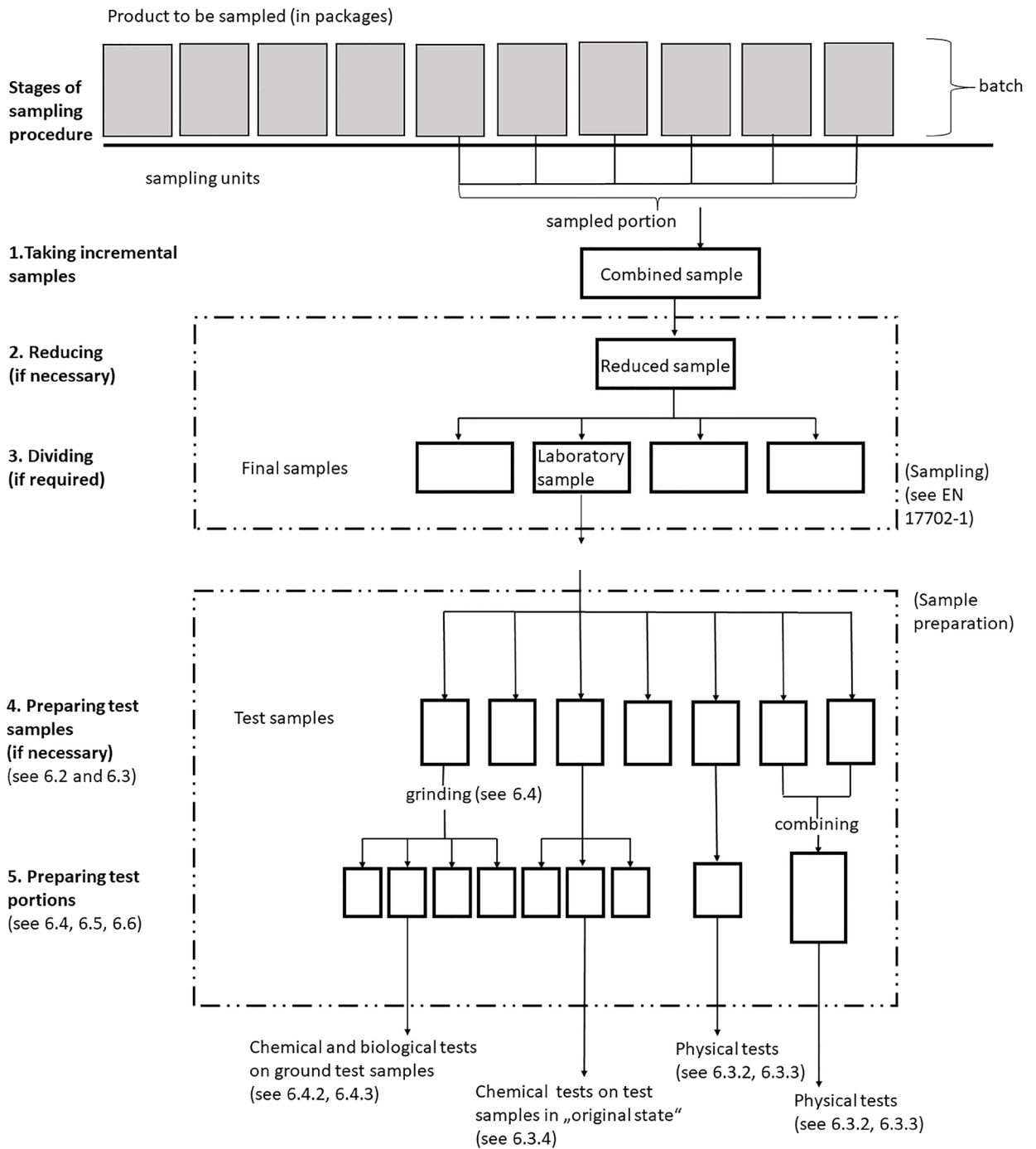


Figure 1 — Schematic diagram of process of sample preparation for solid plant biostimulants

EN 17702-2:2024 (E)**1 Scope**

This document specifies methods for the reduction and preparation of samples of non-microbial plant biostimulants and sets out the requirements for sample preparation reports. It specifies methods for the preparation of test samples and test portions from laboratory samples of plant biostimulants for subsequent chemical, biological or physical analysis.

This document is applicable to the blends of fertilizing products where a blend is a mix of at least two of the following component EU fertilising products: Fertilizers/Liming Materials/Soil Improvers/Growing Media/Inhibitors/Plant Biostimulants, and where the following category Plant Biostimulants is the highest percentage in the blend by mass or volume, or in the case of liquid form by dry mass. If Plant Biostimulants is not the highest percentage in the blend, the European Standard for the highest percentage of the blend applies. In case a blend of fertilizing products is composed of components in equal quantity or in case the component EU fertilising products used for the blend have identical formulations¹, the user decides which standard to apply.

This document does not include methods for the reduction and preparation of samples of microbial plant biostimulants and samples intended for determination of microbial pathogens, which will be covered by a different European Standard.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 17702-1:2024, *Plant biostimulants — Sampling and sample preparation — Part 1: Sampling*

ISO 3310-1, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ An example of such a blend is a product with two claimed functions consisting of a non-microbial plant biostimulant and an organic fertilizer composed of 1 kg/kg of plant biostimulant from seaweed.