

STN P	Rastlinné biostimulátory Odber a príprava vzoriek Časť 2: Príprava vzorky	STN P CEN/TS 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. 06/22

Táto predbežná slovenská technická norma je určená na overenie. Prípadné pripomienky pošlite do marca 2024 Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

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CEN/TS 17702-2

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ICS 65.080

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

Biostimulanzien für die pflanzliche Anwendung -
Probenahme und Probenvorbereitung - Teil 2:
Probenvorbereitung

This Technical Specification (CEN/TS) was approved by CEN on 3 January 2022 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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CEN/TS 17702-2:2022 (E)

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European foreword

This document (CEN/TS 17702-2:2022) has been prepared by Technical Committee CEN/TC 455 “Plant Biostimulants”, the secretariat of which is held by AFNOR.

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 has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association.

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

- *Part 1: Sampling;*
- *Part 2: Sample preparation.*

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 announce this Technical Specification: 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, Turkey and the United Kingdom.

CEN/TS 17702-2:2022 (E)

Introduction

This document was prepared by the experts of CEN/TC 455 “Plant Biostimulants”. 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 fertilizing products (“FPR” or “Fertilising Products Regulation”).

This standardization request, presented as M/564, also contributes to the Communication on “Innovating for Sustainable Growth: A Bio economy for Europe”. The Working Group 1 “Sampling”, was created to develop a work program as part of this request. The technical committee CEN/TC 455 “Plant Biostimulants” was established to carry out the work program that will prepare a series of standards. The interest in 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 EN 1482-2:2007, *Fertilizers and liming materials — Sampling and sample preparation — Part 2: Sample preparation*. 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.

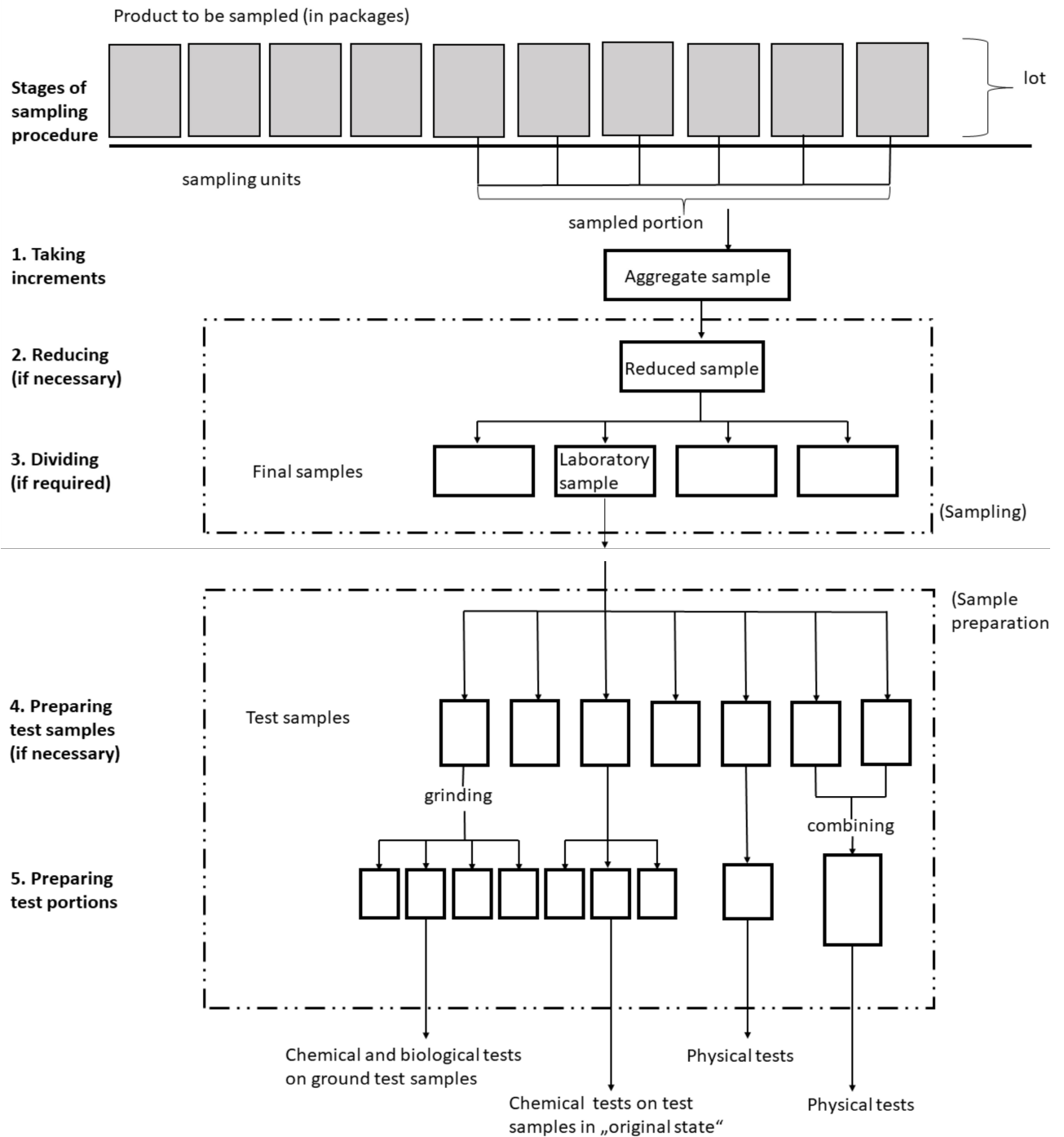


Figure 1 — Schematic diagram of sampling and sample preparation process for solid plant biostimulants

CEN/TS 17702-2:2022 (E)**1 Scope**

This document specifies methods for the reduction and preparation of samples of non-microbial plant biostimulants including those intended for determination of microbial pathogens 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.

It is also applicable to the sample preparation of blends of fertilizing products where plant biostimulants are main part of the blend. Otherwise, deliverables of sample preparation relevant for the main part of the blend apply.

This document does not include methods for the reduction and preparation of samples of microbial plant biostimulants, which will be covered by a different Technical Specification.

NOTE This document is applicable to the category of EU fertilizing product (plant biostimulants) in the meaning of the Regulation (EU) 2019/1009.

2 Normative references

The following document is 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.

CEN/TS 17702-1:2022, *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*

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