



BSI Standards Publication

**Plant biostimulants — Determination of the quantity (indicated by mass or volume)**

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## National foreword

This Published Document is the UK implementation of CEN/TS 17725:2022 and CEN/TS 17725:2022.

The UK participation in its preparation was entrusted to Technical Committee EH/4/-/7, Plant Biostimulants.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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### Amendments/corrigenda issued since publication

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English Version

## Plant biostimulants - Determination of the quantity (indicated by mass or volume)

Biostimulants des végétaux - Détermination de  
la quantité (indiquée en masse ou en volume)

Biostimulanzien für die pflanzliche  
Anwendung - Bestimmung der Menge (durch  
Angabe der Masse oder des Volumens)

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.

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## Contents

Page

<b>European foreword</b> .....	<b>iii</b>
<b>Introduction</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>5</b>
<b>4 Method of quantity determination</b> .....	<b>6</b>
4.1 Quantity declaration .....	6
4.2 Determination of quantity of product in solid and liquid form when sold by mass .....	6
4.2.1 Apparatus .....	6
4.2.2 Equipment checks .....	7
4.2.3 Method .....	7
4.3 Determination of quantity of product in liquid form when sold by volume .....	8
4.3.1 Apparatus .....	8
4.3.2 Equipment check .....	8
4.3.3 Determination of density .....	8
4.3.4 Method .....	11
4.4 Determination of quantity of product in solid form when sold by volume .....	11
4.5 Plant biostimulant in package marked in both mass and volume .....	11
<b>Annex A (normative) Scale intervals</b> .....	<b>13</b>
<b>Bibliography</b> .....	<b>14</b>

## European foreword

This document (CEN/TS 17725:2022) 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.

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.

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## Introduction

This document specifies the methods to be used for the determination of quantity of plant biostimulants products sold or offered for sale. It is relevant to the quantity declarations given in European Regulation 2019/1009. Wherever possible, quantity determination checks shall be carried out at the premises of the packer/importer/seller.

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 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 (“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”. Working Group 5 “Labeling and denominations” was created to develop a work program as part of this standardization request.

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 playing 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 commercialization of the European biostimulant industry.

## 1 Scope

This document specifies the methods to be used for the determination of quantity of solid and liquid forms of plant biostimulants in packages, containers or in bulk.

This document is not applicable to the quantity determination of: soil improvers, growing media, organic and organo-mineral fertilizers and fertilizing product blends whose main constituent is a growing media or soil improver. The method for quantity determination for these products is given in EN 15761, EN 15238 and EN 12580.

## 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.

CEN/TS 17702-1, *Plant biostimulants - Sampling and sample preparation - Part 1: Sampling*

CEN/TS 17724, *Plant biostimulants - Terminology*

EN 45501:2015, *Metrological aspects of non-automatic weighing instruments*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in CEN/TS 17724 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

### 3.1

#### **liquid form**

suspension or solution, where a suspension is a two-phase dispersion in which solid particles are maintained in suspension in the liquid phase

### 3.2

#### **solution**

liquid that is free of solid particles, or a gel and includes pastes

Note 1 to entry: "liquids" include products in liquid form and solutions.

Note 2 to entry: The definition is based on Regulation (EU) 2019/1009 [1], Chapter 1, Article 2, (6).

### 3.3

#### **solid form**

form characterized by structural rigidity and resistance to changes of shape or volume and in which atoms are tightly bound to each other, either in a regular geometric lattice (crystalline solids) or in an irregular manner (an amorphous solid)

NOTE The definition is based on Regulation (EU) 2019/1009 [1], Chapter 1, Article 2, (7).

### 3.4

#### **weighing instrument**

instrument serving to determine the mass of a body by using the action of gravity on that body