



SLOVENSKI STANDARD
kSIST-TS FprCEN/TS 17731:2021
01-november-2021

Rastni substrati - Določevanje določenih parametrov

Growing media - Determination of specific parameters

Kultursubstrate - Bestimmung spezifischer Parameter

Supports de culture - Détermination des paramètres spécifiques

Ta slovenski standard je istoveten z: FprCEN/TS 17731

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ICS:

65.080 Gnojila Fertilizers

kSIST-TS FprCEN/TS 17731:2021 en,fr,de

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TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

FINAL DRAFT
FprCEN/TS 17731

September 2021

ICS 65.080

English Version

Growing media - Determination of specific parameters

Supports de culture - Détermination des paramètres
spécifiques

Kultursubstrate - Bestimmung spezifischer Parameter

This draft Technical Specification is submitted to CEN members for Vote. It has been drawn up by the Technical Committee CEN/TC 223.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a Technical Specification. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a Technical Specification.

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

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European foreword

This document (FprCEN/TS 17731:2021) has been prepared by Technical Committee CEN/TC 223 “Soil improvers and growing media”, the secretariat of which is held by NEN.

This document is currently submitted to the Vote on TS.

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

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FprCEN/TS 17731:2021 (E)**Introduction**

Different product functions warrant different product safety, quality and quantity requirements adapted to their different intended uses. EU fertilizing products have therefore been divided into different product function categories (PFCs), which should each be subject to specific safety and quality requirements, as specified in the Regulation (EC) No 2019/1009 [2].

Growing media have been classified as PFC 4, as specified in the Regulation (EC) No 2019/1009 [2]. The specific safety, quality and quantity requirements in relation to some of the specific parameters (i.e. the electrical conductivity, the pH, dry matter, the nitrogen, P₂O₅ and K₂O content extractable by CaCl₂/DTPA, the total copper and zinc content and the quantity) are specified in this document, as well as normative references of the test methods to be used in order to measure the compliance with the related requirement.

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1 Scope

This document provides an overview of relevant methods for the determination of specific parameters in growing media, including:

- the electrical conductivity;
- the pH;
- dry matter;
- the nitrogen, P₂O₅ and K₂O content extractable by CaCl₂/DTPA;
- the total copper and zinc content;
- the quantity.

This document is applicable to EU fertilizing products classified as PFC 4 and PFC 7 as long as the main function of the EU fertilizing product is classified as PFC 4 of Regulation (EU) 2019/1009 [2].

This document is not applicable to preformed materials such as mineral wool slabs and foam slabs.

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.

FprCEN/TS 17732:—, *Soil improvers and growing media — Terminology*

FprCEN/TS 17733:—, *Soil improvers and growing media — Sampling and sample preparation*

EN 12580:2013, *Soil improvers and growing media — Determination of a quantity*

EN 13037:2011, *Soil improvers and growing media — Determination of pH*

EN 13038:2011, *Soil improvers and growing media — Determination of electrical conductivity*

EN 13040:2007, *Soil improvers and growing media — Sample preparation for chemical and physical tests, determination of dry matter content, moisture content and laboratory compacted bulk density*

EN 13650:2001, *Soil improvers and growing media — Extraction of aqua regia soluble elements*

EN 13651:2001, *Soil improvers and growing media — Extraction of calcium chloride/DTPA (CAT) soluble nutrients*

EN 13652:2001, *Soil improvers and growing media — Extraction of water soluble nutrients and elements*

EN 15238:2006, *Soil improvers and growing media — Determination of quantity for materials with particle size greater than 60 mm*

EN 15761:2009, *Pre-shaped growing media — Determination of length, width, height, volume and bulk density*