PD CEN/TS 17729:2022

BSI Standards Publication

Soil improvers — Determination of specific parameters

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee AW/20, Topsoil, other growing media and turf.

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Bodenverbesserungsmittel - Bestimmung spezifischer Parameter

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European foreword

This document (CEN/TS 17729:2022) has been prepared by Technical Committee CEN/TC 223 “Soil improvers and growing media”, the secretariat of which is held by NEN.

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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 are subject to specific safety and quality requirements, as specified in the Regulation (EU) 2019/1009 [1].

Soil improvers have been classified as PFC 3. The specific safety, quality and quantity requirements in relation to some of the specific parameters (i.e. dry matter content, nitrogen content, P_2O_5 (phosphorus pentoxide) and K_2O (potassium oxide) content, chloride, copper and zinc, and 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.

1 Scope

This document provides an overview of relevant methods for the determination of specific parameters in solid soil improvers, including:

— dry matter content;

— nitrogen content;

— P_2O_5 (phosphorus pentoxide) and K_2O (potassium oxide) content;

— chloride content;

— copper and zinc content;

— quantity.

This document is applicable to solid EU fertilizing products classified as PFC 3 and PFC 7 as long as the main function of the EU fertilizing product is classified as PFC 3 of Regulation (EU) 2019/1009 [1].

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 17732:2022, *Soil improvers and growing media – Terminology*

CEN/TS 17733:2022, *Soil improvers and growing media - Sampling and sample preparation*

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

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

EN 13654-1:2001, *Soil improvers and growing media — Determination of nitrogen — Part 1: Modified Kjeldahl method*

EN 13654-2:2001, *Soil improvers and growing media — Determination of nitrogen — Part 2: Dumas method*

EN 15238:2006, *Soil improvers and growing media — Determination of quantity for materials with particle size greater than 40 mm*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in CEN/TS 17732:2022 apply.

4 Sampling and sample preparation

4.1 Sampling

Samples taken for quality and quantity control purposes shall be representative, as described in CEN/TS 17733:2022.