TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN/TS 17729

February 2022

ICS 65.080

English Version

Soil improvers - Determination of specific parameters

Amendements du sol - Détermination des paramètres spécifiques

Bodenverbesserungsmittel - Bestimmung spezifischer Parameter

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.

CEN members are the national standards bodies of 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 United Kingdom.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. CEN/TS 17729:2022 E

Contents

Page

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.

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.

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 60 mm*

3 Terms and definitions

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