
Izboljševalci tal in rastni substrati - Priprava vzorcev - 1. del: Priprava vzorcev za kemijske in fizikalne preskuse, določanje suhe snovi, vlage in laboratorijsko stisnjene prostorninske gostote

Soil improvers and growing media - Sample preparation - Part 1: Sample preparation for chemical and physical tests, determination of dry matter content, moisture content and laboratory bulk density

Bodenverbesserungsmittel und Kultursubstrate - Probenvorbereitung - Teil 1: Probenvorbereitung für chemische und physikalische Untersuchungen, Bestimmung des Trockensubstanzgehalts, des Feuchtigkeitsgehalts und der Laborschüttdichte

Amendements du sol et supports de culture - Préparation des échantillons - Partie 1 : Préparation des échantillons pour les essais chimiques et physiques, détermination de la teneur en matière sèche, du taux d'humidité et de la masse volumique apparente en laboratoire

Ta slovenski standard je istoveten z: prEN 13040-1

ICS:

65.080

Gnojila

Fertilizers

oSIST prEN 13040-1:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 13040-1

October 2025

ICS 65.080

Will supersede EN 13040:2007

English Version

**Soil improvers and growing media - Sample preparation -
Part 1: Sample preparation for chemical and physical tests,
determination of dry matter content, moisture content and
laboratory bulk density**

Amendements du sol et supports de culture -
Préparation des échantillons - Partie 1 : Préparation
des échantillons pour les essais chimiques et
physiques, détermination de la teneur en matière
sèche, du taux d'humidité et de la masse volumique
apparente en laboratoire

Bodenverbesserungsmittel und Kultursubstrate -
Probenvorbereitung - Teil 1: Probenvorbereitung für
chemische und physikalische Untersuchungen,
Bestimmung des Trockensubstanzgehalts, des
Feuchtigkeitsgehalts und der Laborschüttdichte

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

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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, Türkiye and United Kingdom.

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 European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

Contents

Page

European foreword	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	5
4 Principle	6
5 Sampling.....	6
6 Sample reception	6
7 Transportation and storage of samples.....	6
8 Classification of samples as a function of matrix	7
9 Preparation of the un-dried laboratory sample	7
9.1 Apparatus	7
9.2 Test sample in solid form.....	7
9.2.1 Sample preparation (unsieved test sample).....	7
9.2.2 Determination of material exceeding 40 mm.....	8
9.2.3 Test sample passing through a 40 mm square aperture sieve.....	8
9.2.4 Test sample passing through a 25 mm square aperture sieve.....	9
9.2.5 Test sample passing through a 20 mm square aperture sieve.....	9
9.3 Test sample in shear resistant pasty form.....	9
9.4 Test sample in liquid and aqueous pasty form	9
9.5 Test sample in pre-shaped form.....	9
9.5.1 Sample preparation for bulk density determination	9
9.5.2 Sample preparation for dry matter content determination	9
9.5.3 Sample preparation for chemical analyses	10
10 Preparation of the dried ground (or otherwise size reduced) test sample.....	10
10.1 Apparatus	10
10.2 Procedure	10
11 Determination of dry matter content.....	11
11.1 Apparatus	11
11.2 Procedure	12
11.2.1 Solid and shear resistant pasty materials.....	12
11.2.2 Liquid and aqueous pasty materials.....	12
11.2.3 Pre-shaped materials	12
11.2.4 Dried ground test samples (for residual moisture content determination).....	12
11.3 Calculation.....	12
11.3.1 Dry matter content.....	12
11.3.2 Moisture content.....	13
12 Test report.....	13
13 Validation of the method.....	13
13.1 Validation in accordance with ISO 5725-2.....	13
13.2 Performance characteristics.....	13
Annex A (normative) Determination of laboratory bulk density.....	14