Mullaparandajad ja kasvukeskkond. Proovi ettevalmistamine keemilisteks ja füüsikalisteks katseteks, kuivainesisalduse, niiskuse ja laboratoorselt tihendatud proovi mahukaalu määramine.

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

EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 13040:2007 sisaldab Euroopa standardi EN 13040:2007 ingliskeelset teksti. Käesolev dokument on jõustatud 22.11.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 13040:2007 consists of the English text of the European standard EN 13040:2007. This document is endorsed on 22.11.2007 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This European Standard specifies a routine method for preparing a sample of soil improver or growing media prior to chemical analysis and physical testing. The procedures described herein apply only to those samples that are supplied to a laboratory in the form in which they will be used for their intended purpose.	**Scope:** This European Standard specifies a routine method for preparing a sample of soil improver or growing media prior to chemical analysis and physical testing. The procedures described herein apply only to those samples that are supplied to a laboratory in the form in which they will be used for their intended purpose.

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

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

Bodenverbesserungsmittel und Kultursubstrate - Probenherstellung für chemische und physikalische Untersuchungen, Bestimmung des Trockenrückstands, des Feuchtigkeitsgehaltes und der Laborschüttdichte

This European Standard was approved by CEN on 26 August 2007.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists 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 Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 13040:2007) has been prepared by Technical Committee CEN/TC 223 “Soil improvers and growing media”, the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13040:1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Safety warning

Take care when handling samples that may contain sharps or are of a dusty nature. Samples should be handled with latex gloves and in the case of dusty materials with mask and gloves.

1 Scope

This European Standard specifies a routine method for preparing a sample of soil improver or growing media prior to chemical analysis and physical testing. The procedures described herein apply only to those samples that are supplied to a laboratory in the form in which they will be used for their intended purpose.

NOTE 1 This method is not applicable to liming materials and is not suitable for materials like rockwool and foam slabs.

NOTE 2 The determination of the laboratory compacted bulk density is given in Annex A.

NOTE 3 The results of an interlaboratory trial to determine moisture content are given in Annex B.

NOTE 4 The results of an interlaboratory trial to determine compacted laboratory bulk density are given in Annex B.

NOTE 5 Attention is drawn to the possible existence of national legislation for the declaration of specific products, which could differ from the general requirements of this European Standard.

2 Normative references

The following reference documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12579:1999, *Soil improvers and growing media — Sampling*

ISO 565, *Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings*

3 Terms and definitions

For the purposes of this standard, the terms and definitions in EN 12579:1999 and the following apply.

3.1
test sample
sample prepared from the laboratory sample and from which test portions will be taken

3.2
test portion
quantity of material drawn from the test sample (or from the laboratory sample if both are the same) and on which the tests or observations are actually carried out

3.3
laboratory compacted bulk density
density, expressed in grams per litre of the material as determined in the laboratory using a 1 l cylinder; the sample being compacted under defined conditions

4 Principle

The laboratory sample is coded and sub-divided to prepare the test sample in such a manner as to be representative of the sample as submitted to the laboratory. The sample's intrinsic structure shall be maintained whenever possible.