

Mullaparandajad ja kasvukeskkond. Elektrijuhtivuse määramine.

Soil improvers and growing media - Determination of electrical conductivity

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13038:2000 sisaldab Euroopa standardi EN 13038:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.07.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13038:2000 consists of the English text of the European standard EN 13038:1999.</p> <p>This document is endorsed on 19.07.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European standard specifies an instrumental method for the routine determination of electrical conductivity in a water extract of a soil improver or growing medium. The determination is carried out to obtain an indication of the content of water soluble electrolytes in either soil improvers or growing media.</p>	<p>Scope:</p> <p>This European standard specifies an instrumental method for the routine determination of electrical conductivity in a water extract of a soil improver or growing medium. The determination is carried out to obtain an indication of the content of water soluble electrolytes in either soil improvers or growing media.</p>
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ICS 65.080

Võtmesõnad:

ICS 65.080

English version

Soil improvers and growing media
Determination of electrical conductivity

Amendements du sol et supports de
culture – Détermination de la conduc-
tivité électrique

Bodenverbesserungsmittel und
Kultursubstrate – Bestimmung der
elektrischen Leitfähigkeit

This European Standard was approved by CEN on 1999-10-23.

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

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard 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 June 2000, and conflicting national standards shall be withdrawn at the latest by June 2000.

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

1 Scope

This European standard specifies an instrumental method for the routine determination of electrical conductivity in a water extract of a soil improver or growing medium. The determination is carried out to obtain an indication of the content of water soluble electrolytes in either soil improvers or growing media.

NOTE 1 The method is not applicable to liming materials or sewage sludges and is not suitable for materials like rockwool and foam slabs.

NOTE 2 The requirements of the standard may differ from the national legal requirements for the declaration of the products concerned.

2 Normative references

This European Standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 13040:1999	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 ISO 3696	Water for analytical laboratory use - Specification and test methods. (ISO 3696:1987)
ISO 1770	Solid stem general purposes thermometers

3 Terms and definitions

For the purposes of this standard the terms and definitions given in EN 13040 : 1999 and the following apply.

3.1

electrical conductivity

ability of an aqueous extract of the sample to conduct electricity as a function of the ion concentration.

4 Principle

A test portion is extracted with water at $22\text{ °C} \pm 3,0\text{ °C}$ in an extraction ratio of 1+5 (V/V) to dissolve the electrolytes. The specific electrical conductivity of the extract is measured and the result is adjusted to a measurement temperature of 25 °C.

5 Reagents

5.1 Water having an electrical conductivity not higher than 0,2 mS/m at 25 °C and a pH >5,6 (grade 2 water according to EN ISO 3696).