

Väetised. Lahustuva fosfori eraldamine Petermanni meetodil toatemperatuuril

Fertilizers - Extraction of soluble phosphorus according to Petermann at ambient temperature

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 15922:2011 sisaldab Euroopa standardi EN 15922:2011 ingliskeelset teksti.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 30.06.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English Version

Fertilizers - Extraction of soluble phosphorus according to Petermann at ambient temperature

Engrais - Extraction du phosphore soluble selon Petermann
à température ambiante

Düngemittel - Extraktion des löslichen Phosphors nach
Petermann bei Raumtemperatur

This European Standard was approved by CEN on 29 April 2011.

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Foreword

This document (EN 15922:2011) has been prepared by Technical Committee CEN/TC 260 “Fertilizers and liming materials”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by December 2011, and conflicting national standards shall be withdrawn at the latest by December 2011.

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.

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1 Scope

This document specifies the procedure for the extraction of phosphorus soluble in cold alkaline ammonium citrate.

The method is applicable for disintegrated phosphates exclusively.

2 Normative references

The following referenced documents are indispensable for the application 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.

EN 1482-2, *Fertilizers and liming materials — Sampling and sample preparation — Part 2: Sample preparation*

EN 12944-1:1999, *Fertilizers and liming materials and soil improvers — Vocabulary — Part 1: General terms*

EN 12944-2:1999, *Fertilizers and liming materials and soil improvers — Vocabulary — Part 2: Terms relating to fertilizers*

EN 15475, *Fertilizers — Determination of ammoniacal nitrogen*

CEN/TS 15959, *Fertilizers — Determination of extracted phosphorus*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12944-1:1999 and EN 12944-2:1999 apply.

4 Principle

Extraction of phosphorus at ambient temperature about 20 °C with an alkaline solution of ammonium citrate (Petermann's solution) under the specified conditions.

5 Sampling

Sampling is not part of the method specified in this document. A recommended sampling method is given in EN 1482-1.

Sample preparation shall be carried out in accordance with EN 1482-2. Grinding of the laboratory sample is recommended for homogeneity reasons.