

Tahked väetised. Sõelanalüüs

Solid fertilizers - Test sieving

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1235:2000 sisaldab Euroopa standardi EN 1235:1995 ingliskeelset teksti.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 11.01.2000 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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ICS 65.080

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EUROPEAN STANDARD

EN 1235

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 1995

ICS 65.080

Descriptors: fertilizers, grain size analysis, sieve analysis

English version

**Solid fertilizers - Test sieving (ISO 8397:1988
modified)**

Engrais solides - Tamisage de contrôle
(ISO 8397:1988 modifiée)

Feste Düngemittel - Siebanalyse (ISO 8397:1988
modifiziert)

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CEN

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

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Foreword

The text of the International Standard from ISO/TC 134 "Fertilizers and soil conditioners" of the International Organization for Standardization (ISO) has been taken over as a European Standard by the Technical Committee CEN/TC 260 "Fertilizers and liming materials".

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of an identical text or by endorsement, at the latest by December 1995, and conflicting national standards shall be withdrawn at the latest by December 1995.

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

Endorsement notice

The text of the International Standard ISO 8397:1988 was approved by CEN as a European Standard with agreed common modifications as given below :

- the words "soil conditioners" are deleted in the title and in the scope ;
- in the scope and field of application, two sentences have been added to introduce annexes ZA and ZB ;
- the normative reference to International Standards ISO 3963 and ISO 7410 has been deleted and the sampling method used has to be indicated in the test report ;
- the dates of publication of the standards indicated in the normative reference have been added ;
- a note has been added to table 1 ;
- an informative annex ZA has been added with an example for the expression of sieving test results ;
- an informative annex ZB "Bibliography" has been added.

The common modifications have been inserted in the text of the reference document and indicated by a vertical line in the left margin.

1 Scope and field of application

This International Standard specifies a method for the determination of the particle size distribution of solid fertilizers by test sieving.

NOTE : The applicability of the method has been tested with sieves of nominal sizes of openings between 100 μm and 5,60 mm.

Annex ZA gives further information on the expression of the results of test sieving.

Annex ZB lists the bibliography.

2 References

ISO 565:1990 Test sieves - Woven metal wire cloth, perforated plate and electroformed sheet - Nominal sizes of openings.

ISO 2395:1990 Test sieves and test sieving Vocabulary.

ISO 2591:1988 Test sieving.

ISO 3310-1:1990 Test sieves - Technical requirements and testing - Part 1 : Test sieves of metal wire cloth.

ISO 3944:1992 Fertilizers - Determination of bulk density (loose) ¹⁾.

3 Definitions

For the purpose of this International Standard, the definitions of ISO 2395 apply.

4 Principle

Dry sieving of a fertilizer sample with one or more test sieves using a mechanical sieving machine.

5 Apparatus

5.1 Balance, capable of weighing to the nearest 0,1 g.

5.2 Stainless steel woven wire test sieves, 200 mm diameter, complying with ISO 3310-1, with a lid and receiver for the sieves.

5.3 Mechanical shaker (sieving machine), capable of imparting both horizontal and vertical motion to material inside a nest of sieves.

5.4 Stopwatch

5.5 Soft brush

6 Sampling

Carry out sampling by an appropriate method.

Preparation of the test portion

Reduce the sample (a method will form the subject of a future International Standard) to the quantity required for the sieving test. This quantity should be approximately that indicated in column 2 of table 1 for the sieve corresponding to the dominant size fraction of the sample, provided that the size distribution does not cause excess volume on any of the sieves in the set as indicated in column 3 of table 1.

¹⁾ Technically identical with EN 1236.