

ICS 65.080

English Version

Fertilizers - Determination of the fineness of grinding of soft natural phosphates

Engrais - Détermination de la finesse de mouture des phosphates naturels tendres

Düngemittel - Bestimmung der Mahlfeinheit von weicherdigem Rohphosphat

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Foreword

This document (CEN/TS 15924:2009) has been prepared by Technical Committee CEN/TC 260 "Fertilizers and liming materials", the secretariat of which is held by DIN.

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1 Scope

This document specifies a method for the determination of the fineness of grinding of soft natural phosphates by wet sieving.

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*

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

For samples of fine particle size, agglomeration may occur, thus making dry sieving difficult. For this reason, wet sieving is normally used.

By mechanical wet sieving, the quantities of product with a granule size greater than 0,125 mm and those with a granule size between 0,063 mm and 0,125 mm are determined, and the percentage of fineness of grinding is calculated.

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.

6 Reagents

6.1 **Sodium hexametaphosphate**, solution 1 %.

7 Apparatus

7.1 **Sieves**, with aperture sizes of 0,063 mm and 0,125 mm respectively of standard ranges, diameter 20 cm and height 5 cm).