

ICS 65.080

English Version

Fertilizers - Extraction of phosphorus soluble in mineral acids

Engrais - Extraction du phosphore soluble dans les acides
minéraux

Düngemittel - Extraktion des in Mineralsäuren löslichen
Phosphors

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Foreword

This document (CEN/TS 15956:2009) 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 Technical Specification specifies a method for the determination of phosphorus soluble in mineral acids.

The method is applicable exclusively to phosphate fertilizers listed in Regulation (EC) 2003/2003, Annex I (see [1]).

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

Extraction of the phosphorus in the fertilizer with a mixture of nitric acid and sulfuric acid 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.

6 Reagents

6.1 **Water**, distilled or demineralized.

6.2 **Sulfuric acid**, $\rho = 1,84$ g/ml.

6.3 **Nitric acid**, $\rho = 1,40$ g/ml.