

ICS 65.080

English Version

**Fertilizers - Extraction of phosphorus which is soluble in neutral ammonium citrate**

Engrais - Extraction du phosphore soluble dans le citrate d'ammonium neutre

Düngemittel - Extraktion des in neutralem Ammoniumcitrat löslichen Phosphors

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## Foreword

This document (CEN/TS 15957:2009) 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 extraction of phosphorus soluble in neutral ammonium citrate.

The method is applicable to all fertilizers in respect of which solubility in neutral ammonium citrate is laid down 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 phosphorus at a temperature of 65 °C using a neutral ammonium citrate solution of pH = 7 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.