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Standard Recommendation
S.R. CEN/TS 15921:2009

# Fertilizers - Extraction of soluble phosphorus according to Petermann at 65 °C

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# S.R. CEN/TS 15921:2009

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S.R. CEN/TS 15921:2009

TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

# CEN/TS 15921

September 2009

ICS 65.080

English Version

# Fertilizers - Extraction of soluble phosphorus according to Petermann at 65 °C

Engrais - Extraction du phosphore soluble selon Petermann à 65 °C

Düngemittel - Extraktion des löslichen Phosphors nach Petermann bei 65 °C

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# Foreword

This document (CEN/TS 15921:2009) 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 the procedure for the determination of soluble phosphorus in alkaline ammonium citrate.

The method is applicable exclusively to precipitated dehydrated dicalcium phosphate ($CaHPO_4 . 2H_2O$).

## 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*

## 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 from the test portion at a temperature of 65 °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.

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