

ICS 65.080

English Version

Fertilizers - Extraction of phosphorus soluble in Joulie's alkaline ammonium citrate

Engrais - Extraction du phosphore soluble dans le citrate d'ammonium alcalin de Joulie

Düngemittel - Extraktion des in alkalischem Ammoniumcitrat nach Joulie löslichen Phosphors

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Foreword

This document (CEN/TS 15923:2009) 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 extraction of phosphorus soluble in Joulie's alkaline ammonium citrate.

The method is applicable to all the straight and compound phosphate fertilizers, in which the phosphate occurs in an aluminocalcic form.

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 by shaking vigorously with an alkaline solution of ammonium citrate of defined specification (and where appropriate in the presence of oxine) at about 20 °C.

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.