



BSI Standards Publication

Inorganic fertilizers — Determination of specific nutrients

National foreword

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The UK participation in its preparation was entrusted to Technical Committee CII/37, Fertilisers and related chemicals.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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English Version

Inorganic fertilizers - Determination of specific nutrients

Engrais inorganiques - Détermination
des éléments nutritifs spécifiques

Anorganische Düngemittel - Bestimmung
spezifischer Nährstoffe

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European foreword

This document (CEN/TS 17757:2022) 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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Introduction

Regulation (EU) 2019/1009 [\[1\]](#) lays down the rules on the making available on the market of EU fertilizing products and the specific safety and quality requirements for the defined product function categories (PFCs). Inorganic fertilizers have been classified into PFC 1(C).

The specific safety and quality requirements in relation to the following specific nutrients are defined in this document as well as normative references of the test methods to be used in order to measure the compliance with the related requirement in the Regulation (EU) 2019/1009 [\[1\]](#).

1 Scope

This document specifies references to methods for the determination of the content of the following specific nutrients in inorganic fertilizers:

- the total nitrogen content;
- the ammoniacal nitrogen content;
- the nitric nitrogen content;
- the urea nitrogen content;
- the content of nitrogen from isobutylidenediurea (IBDU) and crotonylidenediurea (CDU);
- the cyanamide nitrogen content;
- the methylene-urea nitrogen content (and urea formaldehyde, if applicable);
- the total phosphorus content;
- the water-soluble phosphorus content;
- the neutral ammonium citrate soluble phosphorus content;
- the water-soluble potassium content;
- the total magnesium content;
- the water-soluble magnesium content;
- the total calcium content;
- the water-soluble calcium content;
- the total sulfur content;
- the water-soluble sulfur content;
- the total sodium content;
- the water-soluble sodium content.

This document is applicable to EU fertilizing products classified as PFC 1(C) and PFC 7 as long as the blend only consists of EU fertilizing products classified as PFC 1(C), PFC 2 and PFC 5 as specified in the Regulation (EU) 2019/1009 [1].

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1482-1:2007, *Fertilizers and liming materials — Sampling and sample preparation — Part 1: Sampling*

EN 1482-2:2007, *Fertilizers and liming materials — Sampling and sample preparation — Part 2: Sample preparation*

EN 1482-3:2016, *Fertilizers and liming materials — Sampling and sample preparation — Part 3: Sampling of static heaps*