



BSI Standards Publication

## Organic and organo-mineral fertilizers — Determination of specific elements

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## 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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Published by BSI Standards Limited 2022

ISBN 978 0 539 17906 4

ICS 65.080

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This Published Document was published under the authority of the Standards Policy and Strategy Committee on 30 June 2022.

### Amendments/corrigenda issued since publication

Date	Text affected
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ICS 65.080

English Version

## Organic and organo-mineral fertilizers – Determination of specific elements

Engrais organiques et organo-minéraux -  
Détermination des éléments spécifiques

Organische und organisch-mineralische  
Düngemittel - Bestimmung spezifischer Elemente

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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (CEN/TS 17777:2022) 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). Organic and organo-mineral fertilizers have been classified as PFC 1(A) and PFC 1(B).

In this document the normative references of the test methods to be used for organic and organo-mineral fertilizers are defined in order to measure the compliance with the related requirement in the Regulation (EU) 2019/1009 [1].

## 1 Scope

This document specifies references to the methods for the determination of the following specific elements in organic and organo-mineral fertilizers:

- Determination of the total phosphorus content;
- Determination of the total potassium content;
- Determination of the total calcium content;
- Determination of the total magnesium content;
- Determination of the total sodium content;
- Determination of the total sulphur content;
- Determination of the inorganic arsenic content;
- Determination of the cadmium content;
- Determination of the total chromium content;
- Determination of the total mercury content;
- Determination of the total nickel content;
- Determination of the total lead content;
- Determination of the total copper content;
- Determination of the total zinc content;
- Determination of the water-soluble calcium content;
- Determination of the water-soluble magnesium content;
- Determination of the water-soluble sodium content;
- Determination of the water-soluble sulphur content.

This document specifies references to the methods for the determination of the following specific elements in organo-mineral fertilizers:

- Determination of the water-soluble phosphorus content;
- Determination of the water-soluble potassium content;
- Determination of the neutral ammonium citrate soluble phosphorus content
- Determination of the formic acid soluble phosphorus content;
- Determination of the total boron content;
- Determination of the total cobalt content;
- Determination of the total iron content
- Determination of the total manganese content
- Determination of the total molybdenum content;
- Determination of the water-soluble boron content;
- Determination of the water-soluble cobalt content;