

STN P	Organické a organicko-minerálne hnojivá Stanovenie obsahu anorganického arzénu	STN P CEN/TS 17775 65 5039
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Organic and organo-mineral fertilizers - Determination of the inorganic arsenic content

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/22

Táto predbežná slovenská technická norma je určená na overenie. Prípadné pripomienky pošlite do apríla 2024 Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

Obsahuje: CEN/TS 17775:2022

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
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CEN/TS 17775

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ICS 65.080

English Version

**Organic and organo-mineral fertilizers - Determination of
the inorganic arsenic content**

Engrais organiques et organo-minéraux -
Détermination de la teneur en arsenic inorganique

Organische und organisch-mineralische Düngemittel -
Bestimmung des Gehalts an anorganischem Arsen

This Technical Specification (CEN/TS) was approved by CEN on 13 March 2022 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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CEN/TS 17775:2022 (E)

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European foreword

This document (CEN/TS 17775:2022) 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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CEN/TS 17775:2022 (E)**Introduction**

This document describes a procedure of extraction and measurement for the determination of inorganic arsenic in organic or organo-mineral fertilizers. This Technical Specification is based on a mild acid oxidative extraction of the arsenic species followed by liquid chromatography (High Performance Liquid Chromatography [HPLC] or ion chromatography [IC]) coupled to the element-specific detector ICP-MS (Inductively Coupled Plasma Mass Spectrometer) for the determination of the mass fraction of inorganic arsenic (iAs).

1 Scope

This document specifies a method for extraction, separation, and determination of inorganic arsenic (iAs) in organic or organo-mineral fertilizers using anion-exchange HPLC or IC coupled to ICP-MS.

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

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