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Fertilizers, liming materials and inhibitors - Sampling and sample preparation - Part 4: Sampling for microbial presence

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 65.080

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EUROPEAN STANDARD

EN 1482-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Fertilizers, liming materials and inhibitors - Sampling and sample preparation - Part 4: Sampling for microbial presence

Engrais, amendements minéraux basiques et inhibiteurs - Échantillonnage et préparation de l'échantillon - Partie 4 : Échantillonnage pour déterminer la présence microbienne

Düngemittel, Kalkdünger und Inhibitoren - Probenahme und Probenvorbereitung - Teil 4: Probenahme für das Vorkommen von Mikroorganismen

This European Standard was approved by CEN on 29 January 2024.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European foreword

This document (EN 1482-4:2024) has been prepared by Technical Committee CEN/TC 260 “Fertilizers and liming materials”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2024, and conflicting national standards shall be withdrawn at the latest by October 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association.

EN 1482, *Fertilizers, liming materials and inhibitors — Sampling and Sample preparation* consists of four parts:

- *Part 1: General sampling provisions;*
- *Part 2: General sample preparation provisions;*
- *Part 3: Sampling of static heaps;*
- *Part 4: Sampling for microbial presence.*

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Introduction

In order to check compliance with the related requirements of Regulation (EU) 2019/1009 [1] methods have to be specified in standards. In this document the method for obtaining a sample from organic fertilizers, organo-mineral fertilizers and inorganic fertilizers containing more than 1 % by mass of organic carbon to detect levels of microbial presence is specified. Any set of segment samples collected by following the procedures described in this standard is considered to be representative of the sampled portion.

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1 Scope

This document specifies the method for taking a sample from both solid and liquid forms of organic fertilizers, organo-mineral fertilizers and inorganic fertilizers containing more than 1 % by mass of organic carbon, when in packages, containers or in bulk, to detect levels of microbial presence. For the applicability to blends refer to 4.2.4.

This document does not apply to sampling for microbial presence in growing media and soil improvers (see EN 12579 [6]) or plant biostimulants (see CEN/TS 17702-1 [3]).

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 12944-1, *Fertilizers and liming materials - Vocabulary - Part 1: General terms*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12944-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

batch

total quantity of material present assumed to have the same characteristics

Note 1 to entry: A batch is produced by the same process at the same time, under the same conditions and labelled in the same manner.

3.2

sampled portion

in relation to sampling for microbiological testing, the quantity of material from the same batch from which segment samples are taken

3.3

segment

(virtual) part of the sampled portion from which a segment sample is taken for microbiological testing

3.4

segment sample

combination of all incremental samples taken from one segment for microbiological testing to be used as a laboratory sample

3.5

sampling point

point from which the incremental sample is taken

3.6

incremental sample

quantity of material taken from one sampling point