

EUROPEAN STANDARD

EN 1482-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2024

ICS 65.080

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.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

[SIST EN 1482-4:2024](https://standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/fced3840-f3e2-4f80-a6e5-658050cf855e/sist-en-1482-4-2024>



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

| Contents | | Page |
|---|---|-------------|
| European foreword | | 3 |
| Introduction | | 4 |
| 1 | Scope | 5 |
| 2 | Normative references | 5 |
| 3 | Terms and definitions | 5 |
| 4 | Sampling | 6 |
| 4.1 | General requirements | 6 |
| 4.2 | Sampling types of materials | 6 |
| 4.3 | Sampling procedure | 7 |
| 4.3.1 | Maximum quantity of the sampled portion | 7 |
| 4.3.2 | Number of segments to be sampled | 7 |
| 4.3.3 | Calculation of the minimum number of sampling points | 8 |
| 4.3.4 | Calculation of the minimum number of sampling points per segment | 8 |
| 4.3.5 | Minimum quantity of a segment sample | 8 |
| 4.3.6 | Collecting the samples | 8 |
| 5 | Labelling of samples | 9 |
| 6 | Submission of samples to laboratory | 9 |
| 7 | Sampling report | 9 |
| 8 | Multipurpose sampling | 10 |
| Annex A (normative) Multipurpose sampling method | | 11 |
| A.1 | Sampling strategy | 11 |
| A.2 | Sampling purpose | 12 |
| A.3 | Sample size required | 13 |
| Bibliography | | 14 |

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.*

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 1482-4:2024 (E)**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.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN 1482-4:2024](https://standards.iteh.ai/catalog/standards/sist/fced3840-f3e2-4f80-a6e5-658050cf855e/sist-en-1482-4-2024)

<https://standards.iteh.ai/catalog/standards/sist/fced3840-f3e2-4f80-a6e5-658050cf855e/sist-en-1482-4-2024>