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Liming materials - Determination of the calcium content and magnesium content - Complexometric method

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

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EUROPEAN STANDARD

EN 12946

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EUROPÄISCHE NORM

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English Version

Liming materials - Determination of the calcium content and magnesium content - Complexometric method

Amendements minéraux basiques - Détermination de
la teneur en calcium et de la teneur en magnésium -
Méthode par complexométrie

Kalkdünger - Bestimmung des Calcium- und
Magnesiumgehaltes - Komplexometrisches Verfahren

This European Standard was approved by CEN on 14 May 2023.

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

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EN 12946:2023 (E)

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European foreword

This document (EN 12946:2023) 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of an identical text or by endorsement, at the latest by December 2023, and conflicting national standards shall be withdrawn at the latest by December 2023.

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 supersedes EN 12946:2000 and EN 12946:2000/AC:2002.

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

The main changes compared to the previous edition are listed below:

- a) Normative references updated and added;
- b) Reference to EN 12944-3 added in Clause 3;
- c) Principle (Clause 4) updated to recognize the possibility to use automatic titration;
- d) Reference updated in Clause 7;
- e) Bibliography updated.

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.

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EN 12946:2023 (E)**Introduction**

The complexometric method for the determination of calcium content and magnesium content in liming materials is based on a method, which is described in VDLUFA, Manual II of analysing methods for fertilizers [1].

1 Scope

This document specifies a complexometric method for the determination of the calcium content and the magnesium content of liming materials.

It is not applicable to products with a mass fraction less than 2 % magnesium or those with a mass fraction more than 1 % P_2O_5 and is not applicable to silicate liming materials.

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, *Fertilizers and liming materials - Sampling and sample preparation - Part 1: Sampling*

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

EN 12944-3, *Fertilizers and liming materials - Vocabulary - Part 3: Terms relating to liming materials*

ISO 3310-1, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

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