
**Fertilizers and soil conditioners —
Mineral soil amendments —
Determination of total calcium and
magnesium content**

*Engrais et amendements — Amendements minéraux —
Détermination de la teneur totale en calcium et en magnésium*



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Foreword

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Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The determination of calcium and magnesium content of mineral soil amendments, and especially total content, is part of the assessment of their properties through their chemical characteristics.

In order to improve efficiency, this document provides a list of existing and relevant methods published all over the world. As most of these methods claim total content, no significant differences are expected between existing methods, provided calibration, sample preparation, dilution and measurement procedures are operated as described. Total extraction is supposed to be the strongest method and to give the highest result.

Fertilizers and soil conditioners — Mineral soil amendments — Determination of total calcium and magnesium content

1 Scope

This document establishes an overview of the relevant methods for the determination of calcium and magnesium as defined in ISO 8157.

This document is applicable to any mineral soil amendment, neutral, basic or acid containing calcium and/or magnesium.

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.

ISO 8157, *Fertilizers and soil conditioners — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8157 apply.

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

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

4 List of existing and relevant methods

The following methods listed in [Table 1](#) have been considered in their scope. All these methods are considered relevant and suitable for the purpose of the determination of total calcium and/or magnesium content in mineral soil amendments defined in ISO 8157.