

STN	Kvalita pôdy Stanovenie výmennej kapacity katiónov a hodnoty nasýtenia zásadami pomocou roztoku chloridu bárnatého (ISO 11260: 2018)	STN EN ISO 11260 46 5254
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Soil quality - Determination of effective cation exchange capacity and base saturation level using barium chloride solution (ISO 11260:2018)

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. 08/18

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English Version

Soil quality - Determination of effective cation exchange capacity and base saturation level using barium chloride solution (ISO 11260:2018)

Qualité du sol - Détermination de la capacité d'échange cationique effective et du taux de saturation en bases échangeables à l'aide d'une solution de chlorure de baryum (ISO 11260:2018)

Bodenbeschaffenheit - Bestimmung der effektiven Kationenaustauschkapazität und der Basensättigung unter Verwendung von Bariumchloridlösung (ISO 11260:2018)

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EN ISO 11260:2018 (E)

Contents	Page
European foreword.....	3
Endorsement notice	3

European foreword

This document (EN ISO 11260:2018) has been prepared by Technical Committee ISO/TC 109 " Oil and gas burners" in collaboration with Technical Committee CEN/TC 444 "Test methods for environmental characterization of solid matrices" the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by November 2018, and conflicting national standards shall be withdrawn at the latest by November 2018.

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Endorsement notice

The text of ISO 11260:2018 has been approved by CEN as EN ISO 11260:2018 without any modification.

INTERNATIONAL STANDARD

ISO
11260

Second edition
2018-05

Soil quality — Determination of effective cation exchange capacity and base saturation level using barium chloride solution

*Qualité du sol — Détermination de la capacité d'échange cationique
et du taux de saturation en bases échangeables à l'aide d'une solution
de chlorure de baryum*



Reference number
ISO 11260:2018(E)

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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Interferences	2
6 Procedures	2
6.1 Sample pretreatment.....	2
6.2 Leaching.....	2
6.2.1 Reagents.....	2
6.2.2 Leaching procedure.....	3
6.3 Determination of CEC.....	3
6.3.1 Principle.....	3
6.3.2 Reagents.....	3
6.3.3 Calibration series.....	3
6.3.4 Spectrometric procedure.....	3
6.3.5 Calculation.....	4
6.4 Determination of exchangeable sodium and potassium.....	5
6.4.1 Principle.....	5
6.4.2 Reagents.....	5
6.4.3 Calibration series.....	5
6.4.4 Spectrometric procedure.....	5
6.4.5 Calculations.....	5
6.5 Determination of exchangeable calcium and magnesium.....	6
6.5.1 Principle.....	6
6.5.2 Reagents.....	6
6.5.3 Calibration series.....	7
6.5.4 Spectrometric procedure.....	7
6.5.5 Calculation.....	7
7 Performance characterization	7
7.1 Calibration check.....	7
7.2 Repeatability and reproducibility.....	8
8 Test report	8
Annex A (informative) Performance data	9
Bibliography	12

ISO 11260:2018(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 190 *Soil quality*, Subcommittee SC 3, *Chemical and physical characterization*.

This second edition cancels and replaces the first edition (ISO 11260:1994), which has been technically revised. It also incorporates the Technical Corrigendum ISO 11260:1994/Cor.1:1996.

Soil quality — Determination of effective cation exchange capacity and base saturation level using barium chloride solution

WARNING — Persons using this document should be familiar with normal laboratory practice. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices.

IMPORTANT — It is absolutely essential that tests conducted in accordance with this document be carried out by suitably qualified staff.

1 Scope

This document specifies a method for the determination of the cation exchange capacity (CEC) at the pH of the soil and for the determination of the content of exchangeable sodium, potassium, calcium and magnesium in soil.

This document is applicable to all types of air-dried soil samples. ISO 11464 can be used for pre-treatment.

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 3696, *Water for analytical laboratory use — Specification and test methods*

ISO 11265, *Soil quality — Determination of the specific electrical conductivity*

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