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Environmental solid matrices - Determination of the specific electrical conductivity (ISO 11265:2025)

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. 12/25

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Environmental solid matrices - Determination of the specific electrical conductivity (ISO 11265:2025)

Matrices solides environnementales - Détermination de la conductivité électrique spécifique (ISO 11265:2025)

Feste Umweltmatrizes - Bestimmung der spezifischen elektrischen Leitfähigkeit (ISO 11265:2025)

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

EN ISO 11265:2025 (E)

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European foreword

This document (EN ISO 11265:2025) has been prepared by Technical Committee ISO/TC 190 "Soil quality " in collaboration with Technical Committee CEN/TC 444 "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of an identical text or by endorsement, at the latest by March 2026, and conflicting national standards shall be withdrawn at the latest by March 2026.

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Endorsement notice

The text of ISO 11265:2025 has been approved by CEN as EN ISO 11265:2025 without any modification.



International Standard

ISO 11265

Environmental solid matrices — Determination of the specific electrical conductivity

*Matrices solides environnementales — Détermination de la
conductivité électrique spécifique*

**Second edition
2025-08**

ISO 11265:2025(en)



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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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ISO 11265:2025(en)**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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This document was prepared by Technical Committee ISO/TC 190, *Soil quality*, Subcommittee SC 3, *Chemical and physical characterization*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 444, *Environmental characterization of solid matrices*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 11265:1994), which has been technically revised. It also incorporates the Technical Corrigendum ISO 11265:1994/Cor 1:1996.

The main changes are as follows:

- change of temperature criteria during extraction;
- the distinction between solid and sludge-like matrices is added.

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.

Environmental solid matrices — Determination of the specific electrical conductivity

1 Scope

This document specifies an instrumental method for the routine determination of the specific electrical conductivity in an aqueous extract of soil, sludge, biowaste or waste. The determination is carried out to obtain an indication of the content of water-soluble electrolytes in a sample.

This document is applicable to all types of air-dried samples of soil, sludge, biowaste and waste.

2 Normative references

The following documents are referred to in the text in such a way that some or all 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 11464, *Soil quality — Pretreatment of samples for physico-chemical analysis*

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