SLOVENSKI STANDARD
oSIST prEN ISO 18589-7:2025

01-oktober-2025

Merjenje radioaktivnosti v okolju - Tla - 7. del: Meritve radionuklidov, ki sevajo žarke gama, na kraju samem (ISO/FDIS 18589-7:2025)

Measurement of radioactivity in the environment - Soil - Part 7: In situ measurement of gamma-emitting radionuclides (ISO/FDIS 18589-7:2025)

Ermittlung der Radioaktivität in der Umwelt - Erdboden - Teil 7: In-situ-Messung von Gammastrahlung emittierenden Radionukliden (ISO/FDIS 18589-7:2025)

Mesurage de la radioactivité dans l'environnement - Sol - Partie 7: Mesurage in situ des radionucléides émetteurs gamma (ISO/FDIS 18589-7:2025)

Ta slovenski standard je istoveten z: **prEN ISO 18589-7**

ICS:

13.080.99	Drugi standardi v zvezi s kakovostjo tal	Other standards related to soil quality
17.240	Merjenje sevanja	Radiation measurements

oSIST prEN ISO 18589-7:2025 **en,fr,de**

FINAL DRAFT
International Standard

ISO/FDIS 18589-7

Measurement of radioactivity in the environment — Soil —

Part 7: In situ measurement of gamma-emitting radionuclides

Mesurage de la radioactivité dans l'environnement — Sol —

Partie 7: Mesurage in situ des radionucléides émetteurs gamma

ISO/TC **85**/SC **2**

Secretariat: **AFNOR**

Voting begins on:

Voting terminates on:

ISO/CEN PARALLEL PROCESSING

Reference number
ISO/FDIS 18589-7:2025(en)

COPYRIGHT PROTECTED DOCUMENT

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

Published in Switzerland

Contents

Page

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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee, TC 85, *Nuclear energy, nuclear technologies, and radiological protection*, Subcommittee SC 2, *Radiological protection*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 430, *Nuclear energy, nuclear technologies, and radiological protection*,in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 18589-7:2013), of which it constitutes a minor revision.

The main changes are as follows:

— B.10: correction of the information related to the activity concentration of 40 K;

— E.2 and E.6: correction of Formulae (E.5) and (E.11);

— F.4 : correction of β, according to the numerical values of the example;

— F.6: modify β = 50 g cm^{-2} into β = 50 kg m^{-2};

— G.3, Footnote 1 of Table G.3: modify 1 g cm^{-2} = 10 kg cm^{-2} into 1 g cm^{-2} = 10 kg m^{-2}.

A list of all parts in the ISO 18589 series can be found on the ISO website.

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.