ICS 13.060.60, 13.280 SLOVENSKÁ TECHNICKÁ NORMA Marec 2016

STN	**Kvalita vody. Stanovenie celkovej objemovej aktivity alfa a celkovej objemovej aktivity beta v neslanej vode. Metóda na tenkej vrstve (ISO 10704: 2009).**	**STN EN ISO 10704** 75 7620

Water quality - Measurement of gross alpha and gross beta activity in non-saline water - Thin source deposit method (ISO 10704:2009)

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. 02/16

Obsahuje: EN ISO 10704:2015, ISO 10704:2009

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 10704

August 2015

ICS 13.060.60; 13.280

English Version

Water quality - Measurement of gross alpha and gross beta activity in non-saline water - Thin source deposit method (ISO 10704:2009)

Qualité de l'eau - Mesurage des activités alpha globale et bêta globale des eaux non salines - Méthode par dépôt d'une source fine (ISO 10704:2009)

Wasserbeschaffenheit - Bestimmung der Gesamt-Alpha- und der Gesamt-Beta-Aktivität in nicht-salzhaltigem Wasser - Dünnschichtverfahren (ISO 10704:2009)

This European Standard was approved by CEN on 30 July 2015.

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

The text of ISO 10704:2009 has been prepared by Technical Committee ISO/TC 147 “Water quality” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 10704:2015 by Technical Committee CEN/TC 230 “Water analysis” 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of an identical text or by endorsement, at the latest by February 2016, and conflicting national standards shall be withdrawn at the latest by February 2016.

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Endorsement notice

The text of ISO 10704:2009 has been approved by CEN as EN ISO 10704:2015 without any modification.

INTERNATIONAL STANDARD

ISO 10704

First edition
2009-11-15

Water quality — Measurement of gross alpha and gross beta activity in non-saline water — Thin source deposit method

Qualité de l'eau — Mesurage des activités alpha globale et bêta globale des eaux non salines — Méthode par dépôt d'une source fine

Reference number
ISO 10704:2009(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 10704 was prepared by Technical Committee ISO/TC 147, *Water quality*.

INTERNATIONAL STANDARD **ISO 10704:2009(E)**

Water quality — Measurement of gross alpha and gross beta activity in non-saline water — Thin source deposit method

WARNING — Persons using this International Standard should be familiar with normal laboratory practice. This International Standard 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 and to ensure compliance with any national regulatory conditions.

IMPORTANT — It is absolutely essential that tests conducted according to this International Standard be carried out by suitably trained staff.

1 Scope

This International Standard specifies a method for the determination of gross alpha and gross beta activity in non-saline waters for alpha- and beta-emitting radionuclides.

The method is applicable to raw and potable waters containing a small quantity of dissolved matter. It can, after adaptation, apply to other kind of waters.

The range of application depends upon the amount of dissolved material in the water and on the performance characteristics of the measurement equipment (background count rate and counting efficiency).

2 Normative references

The following referenced documents are indispensable for the application 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 5667-1, *Water quality — Sampling — Part 1: Guidance on the design of sampling programmes and sampling techniques*

ISO 5667-3, *Water quality — Sampling — Part 3: Guidance on the preservation and handling of water samples*

ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

ISO 80000-10, *Quantities and units — Part 10: Atomic and nuclear physics*

ISO/IEC Guide 98-3:2008, *Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement* (*GUM:1995*)

