SLOVENSKI STANDARD
SIST EN ISO 10703:2016

01-februar-2016

Kakovost vode - Določevanje koncentracije aktivnosti radionuklidov - Metoda z gama spektrometrijo visoke ločljivosti (ISO 10703:2007)

Water quality - Determination of the activity concentration of radionuclides - Method by high resolution gamma-ray spectrometry (ISO 10703:2007)

Wasserbeschaffenheit - Bestimmung der Aktivitätskonzentration von Radionukliden - Verfahren mittels hochauflösender Gammaspektrometrie (ISO 10703:2007)

Qualité de l'eau - Détermination de l'activité volumique des radionucléides - Méthode par spectrométrie gamma à haute résolution (ISO 10703:2007)

Ta slovenski standard je istoveten z: **EN ISO 10703:2015**

ICS:

13.060.60	Preiskava fizikalnih lastnosti vode	Examination of physical properties of water
17.240	Merjenje sevanja	Radiation measurements

SIST EN ISO 10703:2016 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 10703

October 2015

ICS 13.060.60; 17.240

English Version

Water quality - Determination of the activity concentration of radionuclides - Method by high resolution gamma-ray spectrometry (ISO 10703:2007)

Qualité de l'eau - Détermination de l'activité volumique des radionucléides - Méthode par spectrométrie gamma à haute résolution (ISO 10703:2007)

Wasserbeschaffenheit - Bestimmung der Aktivitätskonzentration von Radionukliden - Verfahren mittels hochauflösender Gammaspektrometrie (ISO 10703:2007)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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European foreword

The text of ISO 10703:2007 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 10703:2015 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of an identical text or by endorsement, at the latest by April 2016, and conflicting national standards shall be withdrawn at the latest by April 2016.

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Endorsement notice

The text of ISO 10703:2007 has been approved by CEN as EN ISO 10703:2015 without any modification.

INTERNATIONAL STANDARD

ISO 10703

Second edition
2007-11-15

Water quality — Determination of the activity concentration of radionuclides — Method by high resolution gamma-ray spectrometry

Qualité de l'eau — Détermination de l'activité volumique des radionucléides — Méthode par spectrométrie gamma à haute résolution

Reference number
ISO 10703:2007(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.

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ISO 10703 was prepared by Technical Committee ISO/TC 147, *Water quality*.

This second edition cancels and replaces the first edition (ISO 10703:1997), which has been technically revised.

Introduction

This International Standard allows (after proper sampling, sample handling and, when necessary or desirable, sample preparation) the simultaneous determination of the activity concentration of several gamma-ray emitting radionuclides in water samples by gamma-ray spectrometry using high purity germanium [HPGe] detectors. Gamma-ray emitting radionuclides are widespread both as naturally occurring and as man-made radionuclides. Therefore, environmental samples usually contain a multitude of different gamma-ray emitters and high resolution gamma-ray spectrometry provides a useful analytical tool for environmental measurements.