

SLOVENSKI STANDARD

SIST EN ISO 10870:2013

01-januar-2013

Nadomešča:

SIST EN 27828:1997

SIST EN 28265:1998

SIST EN ISO 9391:1997

Kakovost vode - Navodila za izbiro metod in opreme za vzorčenje bentoških nevretenčarjev v celinskih vodah (ISO 10870:2012)

Water quality - Guidelines for the selection of sampling methods and devices for benthic macroinvertebrates in fresh waters (ISO 10870:2012)

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Wasserbeschaffenheit - Anleitung zur Auswahl von Probenahmeverfahren und -geräten für benthische Makro-Invertebraten in Binnengewässern (ISO 10870:2012)

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Qualité de l'eau - Lignes directrices pour la sélection des méthodes et des dispositifs d'échantillonnage des macro-invertébrés benthiques dans les eaux douces (ISO 10870:2012)

Ta slovenski standard je istoveten z: EN ISO 10870:2012

ICS:

13.060.10	Voda iz naravnih virov	Water of natural resources
13.060.70	Preiskava bioloških lastnosti vode	Examination of biological properties of water

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en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 10870

July 2012

ICS 13.060.70

Supersedes EN 27828:1994, EN 28265:1994, EN ISO 9391:1995

English Version

Water quality - Guidelines for the selection of sampling methods and devices for benthic macroinvertebrates in fresh waters (ISO 10870:2012)

Qualité de l'eau - Lignes directrices pour la sélection des méthodes et des dispositifs d'échantillonnage des macro-invertébrés benthiques dans les eaux douces (ISO 10870:2012)

Wasserbeschaffenheit - Anleitung zur Auswahl von Probenahmeverfahren und -geräten für benthische Makro-Invertebraten in Binnengewässern (ISO 10870:2012)

This European Standard was approved by CEN on 30 June 2012.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN ISO 10870:2012) has been prepared by Technical Committee ISO/TC 147 "Water quality" in collaboration with 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 January 2013, and conflicting national standards shall be withdrawn at the latest by January 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 27828:1994, EN 28265:1994, EN ISO 9391:1995.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Endorsement notice

The text of ISO 10870:2012 has been approved by CEN as a EN ISO 10870:2012 without any modification.

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INTERNATIONAL STANDARD

ISO
10870

First edition
2012-07-01

Water quality — Guidelines for the selection of sampling methods and devices for benthic macroinvertebrates in fresh waters

*Qualité de l'eau — Lignes directrices pour la sélection des méthodes
et des dispositifs d'échantillonnage des macro-invertébrés benthiques
dans les eaux douces*

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ISO 10870:2012(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.

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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 10870 was prepared by Technical Committee ISO/TC 147, *Water quality*, Subcommittee SC 5, *Biological methods*.

This first edition of ISO 10870 cancels and replaces ISO 7828:1985, ISO 8265:1988, and ISO 9391:1993, which have been technically revised.

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Introduction

Macroinvertebrates are an important component of fresh-water ecosystems and are the most widely used biological group to monitor aquatic ecological status (Reference [6]). A wide range of sampling and survey methodologies has been developed for a variety of specific applications as well as ecological assessment including: conservation status, biodiversity assessment, pollution control, and habitat enhancement (Reference [7]).

This International Standard gives guidelines on the selection, design, operation, and performance characteristics of sampling devices for the evaluation of benthic macroinvertebrate taxonomic composition, abundance, and diversity in fresh waters, which can all be components of the applications given in the first paragraph.

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