



SLOVENSKI STANDARD
SIST EN ISO 15923-1:2025

01-marec-2025

Kakovost vode - Določanje izbranih parametrov s sistemi diskretne analize - 1. del: amoniak, nitrat, nitrit, klorid, ortofosfat, sulfat in silikat s fotometrijsko detekcijo (ISO 15923-1:2013)

Water quality - Determination of selected parameters by discrete analysis systems - Part 1: Ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate with photometric detection (ISO 15923-1:2013)

Wasserbeschaffenheit - Bestimmung von ausgewählten Parametern mittels Einzelanalysensystemen - Teil1: Ammonium, Nitrat, Nitrit, Chlorid, Orthophosphat, Sulfat und Silikat durch photometrische Detektion (ISO 15923-1:2013)

Qualité de l'eau - Détermination de paramètres sélectionnés par des systèmes d'analyse discrète - Partie 1: Ammonium, nitrate, nitrite, chlorure, orthophosphate, sulfate et silicate par détection photométrique (ISO 15923-1:2013)

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Ta slovenski standard je istoveten z: EN ISO 15923-1:2024

ICS:

13.060.50	Preiskava vode na kemične snovi	Examination of water for chemical substances
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SIST EN ISO 15923-1:2025

en,fr,de

EUROPEAN STANDARD

EN ISO 15923-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2024

ICS 13.060.50

English Version

Water quality - Determination of selected parameters by discrete analysis systems - Part 1: Ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate with photometric detection (ISO 15923-1:2013)

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This European Standard was approved by CEN on 5 August 2024.

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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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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

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

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European foreword

The text of ISO 15923-1:2013 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 15923-1:2024 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 2025, and conflicting national standards shall be withdrawn at the latest by February 2025.

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

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Endorsement notice

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INTERNATIONAL STANDARD

ISO 15923-1

First edition
2013-12-15

Water quality — Determination of selected parameters by discrete analysis systems —

Part 1:

Ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate with photometric detection

*Qualité de l'eau — Détermination de paramètres sélectionnés par des
systèmes d'analyse discrète —*

*Partie 1: Ammonium, nitrate, nitrite, chlorure, orthophosphate,
sulfate et silicate par détection photométrique*

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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.

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. www.iso.org/directives

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

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

The committee responsible for this document is ISO/TC 147, *Water quality*, Subcommittee SC 2, *Physical, chemical and biochemical methods*.

ISO 15923 consists of the following parts, under the general title *Water quality — Determination of selected parameters by discrete analysis systems*:

— *Part 1: Ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate with photometric detection*

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Introduction

Many photometric determinations can be automated with a discrete analysis system. With one single apparatus, a large number of different parameters can be determined, and the parameters to be determined can be specified for each sample. Working with small volumes requires less sample material and reagent.

Samples that fall beyond the normal measuring range can either be automatically diluted or measured again with a different measuring range.

This part of ISO 15923 specifies methods for the automatic determination of ammonium, nitrate, nitrite, chloride, orthophosphate, and silicate with photometric detection and a turbidimetric determination of sulfate using a discrete analysis system. The field of application is water (ground, potable, surface, waste, eluates, and boiler water).

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