

# SLOVENSKI STANDARD

## SIST EN ISO 20236:2025

01-marec-2025

Nadomešča:

SIST EN ISO 20236:2022

SIST ISO 20236:2019

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**Kakovost vode - Določanje celotnega organskega ogljika (TOC), raztopljenega organskega ogljika (DOC), celotnega vezanega dušika (TNb) in raztopljenega vezanega dušika (DNb) po katalitskem sežigu pri visoki temperaturi (ISO 20236:2024)**

Water quality - Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion (ISO 20236:2024)

Wasserbeschaffenheit - Bestimmung des gesamten organischen Kohlenstoffs (TOC), des gelösten organischen Kohlenstoffs (DOC), des gebundenen Stickstoffs (TNb) und des gelösten gebundenen Stickstoffs (DNb) nach katalytischer oxidativer Hochtemperaturverbrennung (ISO 20236:2024)

Qualité de l'eau - Dosage du carbone organique total (COT), carbone organique dissous (COD), azote lié total (TNb) et azote lié dissous (DNb) après combustion catalytique oxydante à haute température (ISO 20236:2024)

**Ta slovenski standard je istoveten z: EN ISO 20236:2024**

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**ICS:**

|           |                                 |  |
|-----------|---------------------------------|--|
| 13.060.50 | Preiskava vode na kemične snovi | Examination of water for chemical substances |
|-----------|---------------------------------|--|

**SIST EN ISO 20236:2025**

**en,fr,de**



EUROPEAN STANDARD

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NORME EUROPÉENNE

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English Version

Water quality - Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion (ISO 20236:2024)

Qualité de l'eau - Dosage du carbone organique total (COT), carbone organique dissous (COD), azote lié total (TNb) et azote lié dissous (DNb) après combustion catalytique oxydante à haute température (ISO 20236:2024)

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This European Standard was approved by CEN on 3 October 2024.

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

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

**EN ISO 20236:2024 (E)**

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## European foreword

This document (EN ISO 20236:2024) 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 May 2025, and conflicting national standards shall be withdrawn at the latest by May 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.

This document supersedes EN ISO 20236:2021.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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# International Standard

**ISO 20236**

## **Water quality — Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion**

*Qualité de l'eau — Dosage du carbone organique total (COT),  
carbone organique dissous (COD), azote lié total (TNb) et azote  
lié dissous (DNb) après combustion catalytique oxydante à haute  
température*

**Second edition  
2024-11**

**ISO 20236:2024(en)**

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CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

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## ISO 20236:2024(en)

### 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](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 147, *Water quality*, Subcommittee SC 2, *Physical, chemical and biochemical methods*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 230, *Water analysis*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 20236:2018), which has been technically revised.

The main changes are as follows:

- the method to determine concentrations <1 mg/l of C and N has been expanded;
- the normative references have been updated;
- the method to apply single component standard calibration solutions e.g. based on ammonium sulfate or potassium nitrate, has been expanded;
- [Clause A.5](#) has been added in order to require referencing the difference methods with the results report.

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](http://www.iso.org/members.html).

**ISO 20236:2024(en)****Introduction**

Total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) are an analytical convention, whose characteristic is a parameter used for water quality control purposes. These parameters represent the sum of organically bound carbon as well as the sum of inorganic and organic nitrogen (but not nitrogen gas), which can be dissolved in water or bonded to dissolved or suspended matter under specified conditions and, if the sample is not filtered, includes that associated with suspended matter. It does not give information on the nature of the substances. The abbreviations TOC, DOC, TNb, DNb, TC and TIC refer to values determined by the high temperature method.

Details of a validation interlaboratory trial with the performance data for TOC or DOC and TNb or DNb, all using the high temperature method in this document, are given in [Annex B](#).

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