
Kakovost vode - Metode za več spojin - 2. del: Merila za kvantitativno določevanje organskih spojin z analizo metodo za več spojin (ISO 21253-2:2019)

Water quality - Multi-compound class methods - Part 2: Criteria for the quantitative determination of organic substances using a multi-compound class analytical method (ISO 21253-2:2019)

Wasserbeschaffenheit - Gemeinsam erfassbare Stoffgruppen - Teil 2: Kriterien für die Beurteilung eines Multianalyt-Verfahrens organischer Stoffe (ISO 21253-2:2019)

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Qualité de l'eau - Méthodes d'analyse de composés multi-classes - Partie 2: Critères pour la détermination quantitative de composés organiques avec une méthode d'analyse de composés multi-classes (ISO 21253-2:2019)

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Water quality - Multi-compound class methods - Part 2:
Criteria for the quantitative determination of organic
substances using a multi-compound class analytical
method (ISO 21253-2:2019)

Qualité de l'eau - Méthodes d'analyse de composés
multi-classes - Partie 2: Critères pour la détermination
quantitative de composés organiques avec une
méthode d'analyse de composés multi-classes (ISO
21253-2:2019)

Wasserbeschaffenheit - Gemeinsam erfassbare
Stoffgruppen - Teil 2: Kriterien für die Beurteilung
eines Multianalyt-Verfahrens organischer Stoffe (ISO
21253-2:2019)

This European Standard was approved by CEN on 9 August 2019.

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European foreword

This document (EN ISO 21253-2:2019) 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of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

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The text of ISO 21253-2:2019 has been approved by CEN as EN ISO 21253-2:2019 without any modification.

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**Water quality — Multi-compound
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Part 2:

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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 (see www.iso.org/directives).

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A list of all parts in the ISO 21253 series can be found on the ISO website.

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.

Water quality — Multi-compound class methods —

Part 2:

Criteria for the quantitative determination of organic substances using a multi-compound class analytical method

1 Scope

This document specifies the criteria for developing an in-house mass spectrometry-based method for quantitative analysis of multiple subgroups of organic substances in the scope of physical-chemical analysis of water.

This document supplements ISO/TS 13530 which provides guidance on the initial characterization of the measurement performances, by providing details to select the test matrix and internal standards and criteria for analyte and internal standard recoveries.

This document is not intended as a substitute for the currently applicable analytical standards dedicated to organic compounds but as a resource bringing additional characterization elements.

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2 Normative references (standards.iteh.ai)

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 8466-1, *Water quality — Calibration and evaluation of analytical methods and estimation of performance characteristics — Part 1: Statistical evaluation of the linear calibration function*

ISO 8466-2, *Water quality — Calibration and evaluation of analytical methods and estimation of performance characteristics — Part 2: Calibration strategy for non-linear second-order calibration functions*

ISO 11352, *Water quality — Estimation of measurement uncertainty based on validation and quality control data*

ISO 21253-1, *Water quality — Multi-compound class methods — Part 1: Criteria for the identification of target compounds by gas and liquid chromatography and mass spectrometry*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

analyte

substance to be determined

[SOURCE: ISO/TS 28581:2012, 3.1]