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Chemicals used for treatment of water intended for human consumption - Iron-based coagulants - Analytical methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Chemicals used for treatment of water intended for human consumption - Iron-based coagulants - Analytical methods

Produits chimiques utilisés pour le traitement de l'eau destinée à la consommation humaine - Coagulants à base de fer - Méthodes d'analyse

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Flockungsmittel auf Eisenbasis - Analysenverfahren

This European Standard was approved by CEN on 10 December 2018.

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European foreword

This document (EN 17215:2019) has been prepared by Technical Committee CEN/TC 164 “Water supply”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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1 Scope

This document is applicable to iron-based coagulants used for treatment of water intended for human consumption. It specifies analytical methods to be used for products described in EN 888 (Iron (III) chloride), EN 889 (Iron (II) sulfate), EN 890 (Iron (II) sulfate, solution), EN 891 (Iron (III) chloride sulfate) and EN 14664 (Iron (III) sulfate, solid).

2 Normative references

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.

EN ISO 3696, *Water for analytical laboratory use - Specification and test methods (ISO 3696:1987)*

ISO 3165, *Sampling of chemical products for industrial use — Safety in sampling*

ISO 6206, *Chemical products for industrial use — Sampling — Vocabulary*

ISO 8213, *Chemical products for industrial use — Sampling techniques — Solid chemical products in the form of particles varying from powders to coarse lumps*

ISO 5790:1979, *Inorganic chemical products for industrial use – General method for determination of chloride content – Mercurimetric method*

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:

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

3.1

laboratory sample

sample as prepared for sending to the laboratory and intended for inspection or testing

Note 1 to entry: in accordance with ISO 8213.

3.2

test sample

sample prepared from the laboratory sample and from which test portions will be taken

Note 1 to entry: in accordance with ISO 6206:1979.

3.3

test portion

quantity of material drawn from the test sample (or from the laboratory sample if both are the same) and on which the test or observation is actually carried out

Note 1 to entry: in accordance with ISO 6206:1979.