

Chemicals used for treatment of water intended for human consumption - Sulfuric acid

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

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English Version

## Chemicals used for treatment of water intended for human consumption - Sulfuric acid

Produits chimiques utilisés pour le traitement de l'eau destinée à la consommation humaine - Acide sulfurique

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Schwefelsäure

This European Standard was approved by CEN on 27 April 2022.

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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.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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# Contents

Page

European foreword .....	3
Introduction .....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions .....	5
4 Description.....	6
4.1 Identification .....	6
4.2 Commercial forms .....	6
4.3 Physical properties .....	6
4.4 Chemical properties.....	7
5 Purity criteria.....	8
5.1 General.....	8
5.2 Composition of commercial product .....	8
5.3 Chemical parameters and indicator parameters .....	8
6 Test methods .....	9
6.1 Sampling.....	9
6.2 Analyses.....	10
7 Labelling - Transportation - Storage.....	13
7.1 Means of delivery .....	13
7.2 Risk and safety labelling according to the EU Directives .....	14
7.3 Transportation regulations and labelling .....	15
7.4 Marking .....	16
7.5 Storage .....	16
Annex A (informative) General information on sulfuric acid .....	17
A.1 Origin.....	17
A.2 Use .....	17
Annex B (normative) General rules relating to safety .....	18
B.1 Rules for safe handling and use .....	18
B.2 Emergency procedures .....	18
Bibliography .....	19

## European foreword

This document (EN 899:2022) 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of an identical text or by endorsement, at the latest by December 2022, and conflicting national standards shall be withdrawn at the latest by December 2022.

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 899:2009.

In comparison with the previous edition, the following technical modifications have been made:

- a) modification of 7.3 on transportation regulations and labelling, adding the sentence “The user shall be aware of the incompatibilities between transported products.”;
- b) modification of 7.4 on marking. The requirements of marking are also applied to the accompanying documents;
- c) use of the changed classification and labelling (see [4]);
- d) deletion of the reference to EU Directive 67/548/EEC of June 27, 1967 in order to take into account the latest Directive in force (see [4]).

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

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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, Turkey and the United Kingdom.

## Introduction

In respect of potential adverse effects on the quality of water intended for human consumption, caused by the product covered by this document:

- a) this document provides no information as to whether the product may be used without restriction in any of Member States of the EU or EFTA;
- b) it should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

NOTE Conformity with this document does not confer or imply acceptance or approval of the product in any of the Member States of the EU or EFTA. The use of the product covered by this document is subject to regulation or control by National Authorities (see Annex A).

## 1 Scope

This document is applicable to sulfuric acid used for treatment of water intended for human consumption. It describes the characteristics of sulfuric acid and specifies the requirements and the corresponding test methods for sulfuric acid. It gives information on its use in water treatment.

## 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 12846, *Water quality - Determination of mercury - Method using atomic absorption spectrometry (AAS) with and without enrichment (ISO 12846)*

ISO 17378-2, *Water quality — Determination of arsenic and antimony — Part 2: Method using hydride generation atomic absorption spectrometry (HG-AAS)*

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

EN ISO 11885, *Water quality - Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) (ISO 11885)*

ISO 910, *Sulphuric acid and oleum for industrial use — Determination of total acidity, and calculation of free sulphur trioxide content of oleum — Titrimetric method*

ISO 3423, *Sulphuric acid and oleums for industrial use — Determination of sulphur dioxide content — Iodometric method*

ISO 6332, *Water quality — Determination of iron — Spectrometric method using 1,10-phenanthroline*

ISO 8288:1986, *Water quality — Determination of cobalt, nickel, copper, zinc, cadmium and lead — Flame atomic absorption spectrometric methods*

ISO 9174, *Water quality — Determination of chromium — Atomic absorption spectrometric methods*

ISO/TS 17379-2, *Water quality — Determination of selenium — Part 2: Method using hydride generation atomic absorption spectrometry (HG-AAS)*

## 3 Terms and definitions

No terms and definitions are listed in this document.

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/ui>
- IEC Electropedia: available at <https://www.electropedia.org/>