

**Chemicals used for treatment of water
intended for human consumption - Iron
(II) sulfate**

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human consumption - Iron (II) sulfate

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 889:2005 sisaldab Euroopa standardi EN 889:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 889:2005 consists of the English text of the European standard EN 889:2004.</p> <p>This document is endorsed on 25.01.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This document is applicable to iron (II) sulfate heptahydrate used for treatment of water intended for human consumption. It describes the characteristics of iron (II) sulfate heptahydrate and specifies the requirements and the corresponding analytical methods for iron (II) sulfate heptahydrate (analytical methods are given in Annex B) and gives information on its use in water treatment.</p>	<p>Scope: This document is applicable to iron (II) sulfate heptahydrate used for treatment of water intended for human consumption. It describes the characteristics of iron (II) sulfate heptahydrate and specifies the requirements and the corresponding analytical methods for iron (II) sulfate heptahydrate (analytical methods are given in Annex B) and gives information on its use in water treatment.</p>
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Võtmesõnad:

English version

Chemicals used for treatment of water intended for human consumption - Iron (II) sulfate

Produits chimiques utilisés pour le traitement de l'eau destinée à la consommation humaine - Sulfate de fer (II)

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Eisen (II) sulfat

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Contents

	Page
Foreword.....	3
Introduction.....	4
1 Scope.....	5
2 Normative references.....	5
3 Description.....	5
4 Purity criteria.....	7
5 Test methods.....	9
6 Labelling - Transportation - Storage.....	11
Annex A (informative) General information on iron (II) sulfate.....	12
Annex B (normative) Analytical methods.....	17
Annex C (informative) Determination of cadmium, chromium, nickel and lead (inductively coupled plasma optical emission spectrometry (ICP/OES)).....	30
Bibliography.....	32

Foreword

This document (EN 889:2004) 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 May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

This document supersedes EN 889:1998.

Significant technical differences between this edition and EN 889:1998 are as follows:

- a) replacement of the reference of to EU Directive 80/778 of 15 July 1980 with the latest Directive in force (see[1]);
- b) expansion of annex A by addition of A.2 "quality of commercial product";
- c) deletion of annex D.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and 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 Standard:

- a) this Standard provides no information as to whether the product may be used without restriction in any of the 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 the standard 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.

1 Scope

This document is applicable to iron (II) sulfate heptahydrate used for treatment of water intended for human consumption. It describes the characteristics of iron (II) sulfate heptahydrate and specifies the requirements and the corresponding analytical methods for iron (II) sulfate heptahydrate (analytical methods are given in Annex B) and gives information on its use in water treatment.

2 Normative references

The following referenced documents are indispensable for the application 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*.

3 Description

3.1 Identification

3.1.1 Chemical name

Iron (II) sulfate heptahydrate.

3.1.2 Synonym or common names

Ferrous sulfate, iron vitriol, copperas, green salt.

3.1.3 Relative molecular mass

278,02.

3.1.4 Empirical formula

$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$.

3.1.5 Chemical formula

$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$.