Chemicals used for treatment of water intended for human consumption - Polyaluminium hydroxide silicate Solotoriem Schologophica Print sulfate



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 886:2001
sisaldab Euroopa standardi EN 886:2001
ingliskeelset teksti.

This Estonian standard EVS-EN 886:2001 consists of the English text of the European standard EN 886:2001.

Standard on kinnitatud Eesti Standardikeskuse 19.12.2001 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas. This standard is ratified with the order of Estonian Centre for Standardisation dated 19.12.2001 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on .

Date of Availability of the European standard text

Standard on kättesaadav Eesti standardiorganisatsioonist.

The standard is available from Estonian standardisation organisation.

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Inglisekeelsed võtmesõnad: chemical analysis and testin, chemical elements and inorg, preparation, purification, purity, quality, silicate, silicates, storage, sulphates, testing, transport, use, water, water practice, water purification, water supply, water treatment,

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 886

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ICS 71,100,80

English version

Chemicals used for treatment of water intended for human consumption - Polyaluminium hydroxide silicate sulfate

Produits chimiques utilisés pour le traitement de l'eau destinée à la consommation humaine -Polyhydroxysulfatesilicate d'aluminium Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch -Polyaluminiumhydroxidsilikatsulfat

This European Standard was approved by CEN on 29 September 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This European Standard 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 April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

This European Standard refers to the EU Directive 80/778/EEC (see [1]) of 15 July 1980, however it will be revised in future in order to take account of the new EU Directive 98/83/EEC (see [3]).

Annex A is informative.

Annex B is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following i Ste ally, Lux. countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland 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 standard:

- 1) 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;
- while E e use and 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.

Scope

This European Standard is applicable to polyaluminium hydroxide silicate sulfate used for treatment of water intended for human consumption. It describes the characteristics of polyaluminium hydroxide silicate sulfate and specifies the requirements for polyaluminium hydroxide silicate sulfate and refers to the analytical methods. It also gives information on its use in water treatment.

Normative references 2

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications, are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1302, Chemicals used for treatment of water intended for human consumption - Aluminium-based coagulants -Analytical methods.

ISO 3165, Sampling of chemical products for industrial use - Safety in sampling.

9 - 5.

'ate. ISO 6206, Chemical products for industrial use - Sampling - Vocabulary.

Description

Identification

3.1.1 Chemical name

Polyaluminium hydroxide silicate sulfate.

3.1.2 Synonym or common names

Polyaluminium silicate sulfate, PASS.

3.1.3 Relative molecular mass

Variable (see 3.1.4).

3.1.4 Empirical formula

$$AI(OH)_a(SO_4)_b(SiOx)_c$$
 with $a + 2b + 2c$ $(x-2) = 3$

and

$$a = 1,05 \text{ to } 2,0$$

$$b = 0.30 \text{ to } 1.12$$

$$c = 0,005 \text{ to } 0,10$$

$$x = 2.0 \text{ to } 4.0$$