

Water conditioning equipment inside buildings - Electrolytic dosing systems with aluminium anodes - Requirements for performance and safety, testing

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14095:2004 sisaldab Euroopa standardi EN 14095:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.05.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14095:2004 consists of the English text of the European standard EN 14095:2003.</p> <p>This document is endorsed on 18.05.2004 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:</p> <p>This European Standard applies to electrolytic dosing systems for conditioning water intended for human consumption inside buildings and based on dissolution of aluminium anodes (with imposed DC current). It specifies constructional (but not dimensional) and operational requirements. It describes relevant methods for testing performance and safety. It only concerns units which are permanently connected to the mains supply.</p>	<p>Scope:</p> <p>This European Standard applies to electrolytic dosing systems for conditioning water intended for human consumption inside buildings and based on dissolution of aluminium anodes (with imposed DC current). It specifies constructional (but not dimensional) and operational requirements. It describes relevant methods for testing performance and safety. It only concerns units which are permanently connected to the mains supply.</p>
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ICS 13.060.20, 91.140.60

Võtmesõnad: mechanical separation, potable water, safety, safety requirements, separation methods, specification (approval), specifications, testing, water practice, water purification, water supply, water supply (buildings), water supply installations, water treatment

ICS 13.060.20; 91.140.60

English version

**Water conditioning equipment inside buildings - Electrolytic
treatment systems with aluminium anodes - Requirements for
performance, safety and testing**

Appareils de conditionnement d'eau à l'intérieur des
bâtiments - Installations électrolytiques avec anodes en
aluminium - Exigences de performances, de sécurité et
d'essais

Anlagen zur Behandlung von Trinkwasser innerhalb von
Gebäuden - Elektrolytische Dosierungsanlagen mit
Aluminiumanoden - Anforderungen an Ausführung und
Sicherheit, Prüfung

This European Standard was approved by CEN on 14 November 2003.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This document (EN 14095:2003) 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 June 2004, and conflicting national standards shall be withdrawn at the latest by June 2004.

Annex A is informative.

This document includes a bibliography.

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

Introduction

In respect to potential adverse effects of 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 regulations concerning the use and/or the characteristics of this product remain in force.

1 Scope

This European Standard applies to electrolytic dosing systems for conditioning water intended for human consumption inside buildings and based on dissolution of aluminium anodes (with imposed DC current). It specifies constructional (but not dimensional) and operational requirements. It describes relevant methods for testing performance and safety. It only concerns units which are permanently connected to the mains supply.

2 Normative references

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 573-3, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 3: Chemical composition.*

EN 602, *Aluminium and aluminium alloys — Wrought products — Chemical composition of semi products used for the fabrication of articles for use in contact with food.*

EN 1717, *Protection against pollution of potable water in water installations and general requirements of devices to prevent pollution by backflow.*

EN 12499, *Internal cathodic protection of metallic structures*

prEN 12897, *Water supply - Specification for indirectly heated unvented (closed) storage water heaters.*

EN 55011, *Industrial, scientific and medical (ISM) radio-frequency equipment - Radio disturbance characteristics - Limits and methods of measurement (CISPR 11:1997, modified)*

EN 60335-1, *Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2001, modified)*

ISO 7858-1, *Measurement of water flow in closed conduits -- Combination meters for cold potable water -- Part 1: Specifications*

ISO 7858-2, *Measurement of water flow in closed conduits -- Combination meters for cold potable water -- Part 2: Installation requirements*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply:

3.1

conditioning of water intended for human consumption

modification of the characteristics of drinking water for a special purpose within the limits stipulated in the Directive 98/83/EEC, adopted in national legislation of the Member States