

Chemicals used for treatment of water intended for
human consumption - Sodium aluminate

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Chemicals used for treatment of water intended for human consumption - Sodium aluminate

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

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Natriumaluminat

This European Standard was approved by CEN on 18 January 2016.

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European foreword

This document (EN 882:2016) 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of an identical text or by endorsement, at the latest by September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 882:2004.

Significant technical differences between this edition and EN 882:2004 are as follows:

- a) addition of chemical names for aluminium sodium dioxide and for aluminium sodium tetrahydroxide;
- b) replacement of warning and safety precautions notes by labelling according to Regulation (EC) No 1272/2008.

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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 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.

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1 Scope

This document is applicable to sodium aluminate used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of sodium aluminate and refers to the corresponding analytical methods. It gives information for its use in water treatment. It also determines the rules relating to safe handling and use of sodium aluminate (see Annex B).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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*

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

Aluminium sodium oxide

Aluminium sodium dioxide

Aluminium sodium tetrahydroxide

3.1.2 Synonym or common name

Sodium aluminate

3.1.3 Relative molecular mass

82 for NaAlO_2 .

3.1.4 Empirical formula

NaAlO_2 0,1 $\text{Na}_2\text{O} \cdot n\text{H}_2\text{O}$ (n varies from 0,3 to 0,4)

3.1.5 Chemical formula

NaAlO_2