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Chemicals used for treatment of water intended for human consumption - Half-burnt dolomite

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 71.100.80

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EUROPEAN STANDARD

EN 1017:2014+A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 71.100.80

Supersedes EN 1017:2014

English Version

Chemicals used for treatment of water intended for human consumption - Half-burnt dolomite

Produits chimiques pour le traitement de l'eau destinée à la consommation humaine - Dolomie semi-calcinée

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Halbgebrannter Dolomit

This European Standard was approved by CEN on 20 June 2014 and includes Amendment 1 approved by CEN on 1 May 2017.

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

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European foreword

This document (EN 1017:2014+A1:2017) has been prepared by Technical Committee CEN/TC 164 “Water supply”, the secretariat of which is held by AFNOR.

This document includes Amendment 1 approved by CEN on 1 May 2017.

This document supersedes A1 EN 1017:2014 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

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of an identical text or by endorsement, at the latest by December 2017 and conflicting national standards shall be withdrawn at the latest by December 2017.

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.

Significant technical differences between this edition and EN 1017:2008 are as follows:

- a) increase of limits for lead to 15 mg/kg and for selenium to 5 mg/kg for type A (former type 1) products;
- b) replacement of warning and safety precaution notes by labelling according to REGULATION (EC) No 1272/2008;
- c) rules for safe handling and use transferred to new normative Annex B.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, 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 European Standard:

- a) this European 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 this 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 European Standard is applicable to half-burnt dolomite used for treatment of water intended for human consumption. It describes the characteristics of half-burnt dolomite and specifies the requirements and the corresponding test methods for half-burnt dolomite. It gives information on its use in water treatment.

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 12485, *Chemicals used for treatment of water intended for human consumption - Calcium carbonate, high-calcium lime, half-burnt dolomite, magnesium oxide and calcium magnesium carbonate - Test methods*

ISO 3165, *Sampling of chemical products for industrial use — Safety in sampling*

ISO 6206, *Chemical products for industrial use — Sampling — Vocabulary*

3 Description

3.1 Identification

3.1.1 Chemical name

Calcium magnesium carbonate oxide.

3.1.2 Synonym or common name

Half-burnt dolomite; dolomite, calcined; half-calcined dolomite.

3.1.3 Relative molecular mass

140,39.

3.1.4 Empirical formula

CCaMgO₄.

3.1.5 Chemical formula

CaCO₃.MgO.

3.1.6 CAS Registry Number ¹⁾

83897-84-1.

3.1.7 EINECS reference ²⁾

281-192-5.

¹⁾ Chemical Abstracts Service Registry Number.

²⁾ European Inventory of Existing Commercial Chemical Substances.