

**Chemicals used for treatment of water intended for
human consumption - High-calcium lime**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 12518:2014 sisaldab Euroopa standardi EN 12518:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 12518:2014 consists of the English text of the European standard EN 12518:2014.
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English Version

Chemicals used for treatment of water intended for human consumption - High-calcium lime

Produits chimiques pour le traitement de l'eau destinée à la consommation humaine - Chaux

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Weißkalk

This European Standard was approved by CEN on 20 June 2014.

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Foreword

This document (EN 12518:2014) 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of an identical text or by endorsement, at the latest by January 2015 and conflicting national standards shall be withdrawn at the latest by January 2015.

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 12518:2008.

The significant technical difference between this edition and EN 12518:2008 is the replacement of warning and safety precaution notes by labelling according to REGULATION (EC) No 1272/2008 (see [2]).

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, 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 European 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 European Standard is subject to regulation or control by National Authorities.

1 Scope

This European Standard is applicable to high-calcium lime used for treatment of water intended for human consumption. It describes the characteristics of high-calcium lime and specifies the requirements and the corresponding test methods for high-calcium lime. It gives information on its use in water treatment. It also determines the rules relating to safe handling and use (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 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*

3 Description

3.1 Identification

3.1.1 General

High-calcium limes are calcium oxide, calcium hydroxide and aqueous suspension of calcium hydroxide (milk of lime).

3.1.2 Chemical names

- a) Calcium oxide.
- b) Calcium hydroxide.

3.1.3 Synonym or common names

- a) Calcium oxide: Pulverized high-calcium lime, quicklime, lump high-calcium lime.
- b) Calcium hydroxide: Hydrated high-calcium lime, calcium hydroxide - aqueous suspension (milk of lime).

3.1.4 Relative molecular mass

- a) Calcium oxide: 56,08.
- b) Calcium hydroxide: 74,09.

3.1.5 Empirical formula

- a) Calcium oxide: CaO.
- b) Calcium hydroxide: Ca(OH)₂.

3.1.6 Chemical formula

- a) Calcium oxide: CaO.
- b) Calcium hydroxide: Ca(OH)₂.