

Chemicals used for treatment of water intended for human consumption - Ammonium solution

Chemicals used for treatment of water intended for
human consumption - Ammonia solution

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12122:2005 sisaldab Euroopa standardi EN 12122:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 15.07.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12122:2005 consists of the English text of the European standard EN 12122:2005.</p> <p>This document is endorsed on 15.07.2005 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>
--	---

<p>Käsitlusala:</p> <p>This European Standard is applicable to ammonia solution used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of ammonia solution 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 ammonia solution (see Annex B).</p>	<p>Scope:</p> <p>This European Standard is applicable to ammonia solution used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of ammonia solution 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 ammonia solution (see Annex B).</p>
---	---

ICS 71.100.80

Võtmesõnad: ammonium hydroxide, chemical compounds, chemical properties, conditioning, description, impurities, labelling, marking, physical properties, potable water, storage, tests, toxic substances, transportation, water treatment

English version

Chemicals used for treatment of water intended for human consumption - Ammonia solution

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

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Ammoniaklösung

This European Standard was approved by CEN on 25 April 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents	Page
FOREWORD	3
INTRODUCTION	4
1 SCOPE	5
2 NORMATIVE REFERENCES	5
3 DESCRIPTION	5
4 PURITY CRITERIA	7
5 TEST METHODS	8
6 LABELLING – TRANSPORTATION – STORAGE	16
ANNEX A (INFORMATIVE) GENERAL INFORMATION ON AMMONIA SOLUTION	18
ANNEX B (NORMATIVE) GENERAL RULES RELATING TO SAFETY	19
BIBLIOGRAPHY	20

Foreword

This European Standard (EN 12122:2005) 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 December 2005, and conflicting national standards shall be withdrawn at the latest by December 2005.

This document supersedes EN 12122:1998.

Significant technical differences between this edition and EN 12122:1998 are as follows:

deletion of the reference to EU Directive 80/778/EEC of 15 July 1980 in order to take account of the latest Directive, see[1].

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and 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 document is subject to regulation or control by National Authorities.

1 Scope

This European Standard is applicable to ammonia solution used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of ammonia solution 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 ammonia solution (see Annex B).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the reference document (including any amendments) applies.

EN ISO 3696, *Water for analytical laboratory use - Specification and test methods* (ISO 3696:1987)

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

ISO 5993, *Sodium hydroxide for industrial use - Determination of mercury content - flameless atomic absorption spectrometric method*

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

ISO 6332, *Water quality - Determination of iron - Spectrometric method using 1,10-phenanthroline*

ISO 6353-1, *Reagents for chemical analysis. Part 1 General test methods*

ISO 7108, *Ammonia solution for industrial use - Determination of ammonia content - Titrimetric method*

ISO 7109, *Ammonia solution for industrial use - Determination of residue after evaporation at 105 °C - Gravimetric method*

3 Description

3.1 Identification

3.1.1 Chemical name

Ammonium hydroxide.

3.1.2 Synonym or common name

Ammonia solution.

3.1.3 Relative molecular mass

35,05.

3.1.4 Empirical formula

NH₄OH.