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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 71.100.80

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EUROPEAN STANDARD

EN 12122

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2024

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Supersedes EN 12122:2005

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 5 August 2024.

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

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Contents	Page
European foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Description	6
4.1 IDENTIFICATION.....	6
4.1.1 CHEMICAL NAME.....	6
4.1.2 SYNONYM OR COMMON NAME.....	6
4.1.3 RELATIVE MOLECULAR MASS.....	6
4.1.4 EMPIRICAL FORMULA.....	7
4.1.5 CHEMICAL FORMULA.....	7
4.1.6 CAS-REGISTRY NUMBER	7
4.1.7 EINECS REFERENCE	7
4.2 COMMERCIAL FORM.....	7
4.3 PHYSICAL PROPERTIES.....	7
4.3.1 APPEARANCE AND ODOUR.....	7
4.3.2 DENSITY.....	7
4.3.3 SOLUBILITY.....	7
4.3.4 VAPOUR PRESSURE.....	7
4.3.5 BOILING POINT AT 100 KPA	8
4.3.6 CRYSTALLIZATION POINT.....	8
4.3.7 SPECIFIC HEAT.....	8
4.3.8 VISCOSITY, DYNAMIC.....	8
4.3.9 CRITICAL TEMPERATURE.....	8
4.3.10 CRITICAL PRESSURE	8
4.3.11 PHYSICAL HARDNESS.....	8
4.4 CHEMICAL PROPERTIES	8
5 Purity criteria	8
5.1 GENERAL	8
5.2 COMPOSITION OF COMMERCIAL PRODUCT	9
5.3 IMPURITIES AND MAIN BY-PRODUCTS	9
5.4 CHEMICAL PARAMETERS.....	9
6 Test methods	10
6.1 SAMPLING	10
6.2 ANALYSES.....	10
6.2.1 MAIN PRODUCT.....	10
6.2.2 IMPURITIES	10
6.2.3 CHEMICAL PARAMETERS.....	10

7	Labelling – Transportation – Storage	15
7.1	MEANS OF DELIVERY	15
7.2	RISK AND SAFETY LABELLING	15
7.3	TRANSPORTATION REGULATIONS AND LABELLING	17
7.4	MARKING	17
7.5	STORAGE	17
7.5.1	GENERAL	17
7.5.2	LONG TERM STABILITY	17
7.5.3	STORAGE INCOMPATIBILITIES	17
	Annex A (informative) General information on ammonia solution	18
	Annex B (informative) General rules relating to safety	19
	Bibliography	20

European foreword

This document (EN 12122:2024) 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 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

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

This document supersedes EN 12122:2005.

EN 12122:2024 includes the following significant technical changes with respect to EN 12122:2005:

- a) modification of 7.4: The requirements of marking are also applied to the accompanying documents;
- b) modification of 7.2: adaptation of GHS labelling for the 2 concentration ranges of the commercially available products for the commercially available products.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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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) no information as to whether the product may be used without restriction is provided;
- b) national regulations concerning the use and/or the characteristics of this product might exist.

NOTE Conformity with this document does not confer or imply acceptance or approval of the product. The use of the product covered by this document could be subject to regulation or control by National Authorities.

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1 Scope

This document 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 provides basic information relating to safe handling and use of ammonia solution (see Annex B).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

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

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 degrees C — Gravimetric method*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Description

4.1 Identification

4.1.1 Chemical name

Ammonia solution ... %.

4.1.2 Synonym or common name

Ammonia water.

4.1.3 Relative molecular mass

17,03