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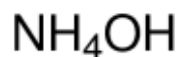
Product Specification

Product Name:

Ammonium hydroxide solution - ACS reagent, 28.0-30.0% NH₃ basis

Product Number:

221228



MDL:

MFCD00066650

Formula:

H₅NO

Formula Weight:

35.05 g/mol

Storage Temperature:

2 - 8 °C

TEST	Specification
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Appearance (Color)

Colorless

Appearance (Form)

Liquid

Appearance (Clarity)

Confirmed

Free of Suspended Matter

Titration with HCl

28.0 - 30.0 %

NH₃

Sulfate

≤ 2 ppm

Substances reducing MnO₄

Pass

Residue on ignition (Ash)

≤ 0.002 %

Phosphate (PO₄)

≤ 2 ppm

Nitrate (ppm)

≤ 2 ppm

Iron (Fe)

≤ 0.2 ppm

Heavy Metals

≤ 0.5 ppm

(by ICP)

Chloride (Cl)

≤ 0.5 ppm

Carbon Dioxide

≤ 0.002 %

Meets ACS Requirements

Current ACS Specification

Recommended Retest Period

2 Years

Note

Note

Poly bottles might be deformed due to the physical properties of the product. This does not affect the product purity and chemical properties. Material should be cooled before use.

Specification: PRD.9.ZQ5.10000010542

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

