64683 Einhausen Marie-Curie-StraBe. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:
Ammonium hydroxide solution ≥25% in H_2O, for HPLC PurReagent

Product No.:	PSR42756
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	1336-21-6
Molecular Formula:	NH_4OH
Molecular Weight:	35.05 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay	≥ 25.0 %	28.95 %
Silver (Ag)	NMT 0.01 ppm	< 0.005 ppm
Aluminium (Al)	NMT 0.05 ppm	< 0.005 ppm
Arsenic (As)	NMT 0.01 ppm	< 0.005 ppm
Gold (Au)	NMT 0.02 ppm	< 0.005 ppm
Boron (B)	NMT 0.01 ppm	< 0.005 ppm
Barium (Ba)	NMT 0.01 ppm	< 0.005 ppm
Beryllium (Be)	NMT 0.01 ppm	< 0.005 ppm
Bismuth (Bi)	NMT 0.02 ppm	< 0.005 ppm
Calcium (Ca)	NMT 0.1 ppm	< 0.005 ppm
Cadmium (Cd)	NMT 0.01 ppm	< 0.005 ppm
Cobalt (Co)	NMT 0.01 ppm	< 0.005 ppm
Chromium (Cr)	NMT 0.01 ppm	< 0.005 ppm
Copper (Cu)	NMT 0.01 ppm	< 0.005 ppm
Iron (Fe)	NMT 0.05 ppm	< 0.005 ppm
Gallium (Ga)	NMT 0.01 ppm	< 0.005 ppm
Germanium (Ge)	NMT 0.05 ppm	< 0.005 ppm
Indium (In)	NMT 0.01 ppm	< 0.005 ppm
Potassium (K)	NMT 0.1 ppm	< 0.005 ppm
Lithium (Li)	NMT 0.01 ppm	< 0.005 ppm
Magnesium (Mg)	NMT 0.05 ppm	< 0.005 ppm
Manganese (Mn)	NMT 0.01 ppm	< 0.005 ppm
Molybdenum (Mo)	NMT 0.01 ppm	< 0.005 ppm
Sodium (Na)	NMT 0.2 ppm	< 0.005 ppm

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

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Nickel (Ni)	NMT 0.01 ppm	< 0.005 ppm
Lead (Pb)	NMT 0.01 ppm	< 0.005 ppm
Platinum (Pt)	NMT 0.02 ppm	< 0.005 ppm
Antimony (Sb)	NMT 0.01 ppm	< 0.005 ppm
Strontium (Sr)	NMT 0.01 ppm	< 0.005 ppm
Titanium (Ti)	NMT 0.01 ppm	< 0.005 ppm
Thallium (Tl)	NMT 0.02 ppm	< 0.005 ppm
Vanadium (V)	NMT 0.01 ppm	< 0.005 ppm
Zinc (Zn)	NMT 0.05 ppm	< 0.005 ppm
Zirconium (Zr)	NMT 0.01 ppm	< 0.005 ppm
Carbonate (as CO_2)	NMT 10 ppm	< 10 ppm
Chloride (Cl)	NMT 0.5 ppm	< 0.1 ppm
Phosphate (PO_4)	NMT 0.2 ppm	< 0.1 ppm
Silicate (as SiO_2)	NMT 0.5 ppm	< 0.04 ppm
Sulfate (SO_4)	NMT 2.0 ppm	< 0.5 ppm
$KMnO_4$ red. matter (as O)	NMT 5.0 ppm	< 3.0 ppm

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room Temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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