



Product Specification

Product Name: AMMONIA 28% Solution AR

Alternate Name(s) Ammonium hydroxide; aqua ammonia; ammonium hydrate.

Description

Solution in water of flammable, toxic gas with a pungent odour. Suffocating smell. Extremely dangerous to the eyes.

Properties

Chemical Formula:

Molecular Weight: 35.05

Product Code: AA005

CAS No.: 1336-21-6

General Information:

Corrosive to Cu, Ni, Zn & Sn and their alloys such as brass.

Hazard and Safety Data

UN Group: III
Class: 8
UN Number: 2672
Hazchem code: 2R
CS MSDS Code: 1CH0U
Poison schedule: S6
Emergency
Procedure Guide No.: 37

Quality Specification

Typical Assay: 28.0 - 30.0 % w/w

Specific Properties and Impurities [Typical levels]:

| | |
|-----------------------------------|-------------|
| Appearance | Passes test |
| Residue after ignition | 0.002% |
| Carbon dioxide (CO ₂) | 0.002% |
| Chloride (Cl) | 0.00005% |
| Nitrate (NO ₃) | 0.0002% |
| Phosphate (PO ₄) | 0.0002% |
| Sulfate (SO ₄) | 0.0002% |
| Heavy metals (as Pb) | 0.00005% |
| Substances reducing permanganate | Passes test |
| Aluminium (Al) | 0.0001% |
| Barium (Ba) | 0.00001% |
| Boron (B) | 0.00002% |
| Cadmium (Cd) | 0.000005% |
| Calcium (Ca) | 0.0001% |
| Chromium (Cr) | 0.000002% |
| Cobalt (Co) | 0.000002% |
| Copper (Cu) | 0.000002% |
| Iron (Fe) | 0.00005% |
| Lead (Pb) | 0.000005% |
| Lithium (Li) | 0.000002% |
| Magnesium (Mg) | 0.0001% |
| Manganese (Mn) | 0.000002% |
| Molybdenum (Mo) | 0.000002% |

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| | |
|----------------|-----------|
| Nickel (Ni) | 0.000002% |
| Potassium (K) | 0.0001% |
| Sodium (Na) | 0.0005% |
| Strontium (Sr) | 0.000002% |
| Tin (Sn) | 0.000002% |
| Titanium (Ti) | 0.00001% |
| Vanadium (V) | 0.00002% |
| Zinc (Zn) | 0.00001% |
| Zirconium (Zr) | 0.000002% |

CONFORMS TO ACS

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