

AMMONIUM HYDROXIDE (AQUA AMMONIA) REAGENT GRADE

NH₄OH

Formula Weight 35.05

General Information

Ammonium hydroxide (aqua ammonia) covered by this specification will meet the ACS Reagent Grade requirements except for assay as follows:

Assay	18% - 20% NH ₃
Appearance	Colorless and free from suspended matter or sediment.
Impurities	
Residue after ignition	0.002% maximum
Carbon Dioxide (CO ₂)	0.002% maximum
Chloride (Cl)	0.5 ppm maximum
Phosphate (PO ₄)	2 ppm maximum
Total Sulfur (SO ₄)	2 ppm maximum
Heavy Metals (Pb)	0.5 ppm maximum
Iron (Fe)	0.2 ppm maximum
Substances Reducing Permanganate	To pass test

This product is exempt from the submission requirements of the Federal EPA Risk Management Program.

*This product exceeds the specifications established by the Airgas Specialty Products Technical Grade Ammonium Hydroxide (Aqua Ammonia) product specification sheet.

NOTE: When performing assay tests, sample container and contents shall be cooled to 5°C and 10°C and maintained at this temperature to prevent loss of ammonia gas when opening and transferring for analysis. All transferring shall be done as quickly as possible.