

AMMONIUM HYDROXIDE REAGENT GRADE

NH₄OH

Formula Weight 35.05

General Information

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

Assay	24% - 26% 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
Chlorides (Cl)	0.5 ppm maximum
Nitrate (NO ₃)	2 ppm maximum
Sulfates (SO ₄)	2 ppm maximum
Phosphates (PO ₄)	2 ppm maximum
Lead (Pb)	0.5 ppm maximum
Iron (Fe)	0.2 ppm maximum
Substance Reducing Permanganate	To pass test

NOTE: When performing assay tests, sample container and contents shall be cooled to 5°C -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.