

**AMMONIUM HYDROXIDE  
(AQUA AMMONIA)  
N.F. GRADE**

**NH<sub>4</sub>OH**

**Formula Weight 35.05**

**General Information**

Ammonium hydroxide (aqua ammonia) covered by this specification will meet the following N.F. Grade requirements for strong ammonia solution.

Assay	27.0 - 31.0% NH <sub>3</sub>
Impurities	
Nonvolatile Residue	0.05% maximum
Heavy Metals	13 ppm maximum
Iron (Fe)	0.2 ppm maximum
Readily Oxidizable Substance	To pass test

The USP Monograph for strong ammonia solution has been eliminated and replaced by National Formulary Monograph.

Reference: National Formulary, XV Edition  
US Pharmacopial Convention, Inc.  
Washington, D.C. 1980

**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.