

# Product Specification

## Ammonium Hydroxide, ACS Reagent Grade

**Lot Number:** SAMPLE

**Product Number:** RABA0020

**Date Packaged:** N/A

**Expiration Date:** N/A

Chemical Formula: NH<sub>4</sub>OH  
Formula weight: 35.05

### Contains

NH<sub>4</sub>OH CAS No. 1336-21-6 MW 35.05

Test	Specification	Result
Appearance	Colorless liquid	N/A
Assay	28.0-30.0 % NH <sub>3</sub>	N/A
Carbon Dioxide (CO <sub>2</sub> )	max 0.002 %	N/A
Chloride (Cl)	max 0.5 ppm	N/A
Heavy Metals (as Pb)	max 0.5 ppm	N/A
Iron (Fe)	max 0.2 ppm	N/A
Nitrate (NO <sub>3</sub> )	max 2 ppm	N/A
Phosphate (PO <sub>4</sub> )	max 2 ppm	N/A
Residue after Ignition	max 0.002 %	N/A
Substances Reducing Permanganate	To Pass Test	N/A
Sulfate (SO <sub>4</sub> )	max 2 ppm	N/A

Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document traceability and production history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
RABA0020-1C1	1 L safety-coated glass	24 months
RABA0020-2.5D1	2.5 L glass	24 months
RABA0020-20E1	20 L Ropak™	24 months
RABA0020-500D1	500 mL glass	24 months
RABA0020-50E	50 gal drum	24 months
RDCA0750-500D1	500 mL glass	24 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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