RICCA CHEMICAL COMPANY®

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Product Specification

Ammonium Hydroxide, 10% (v/v)

Lot Number: SAMPLE **Product Number:** 631.5

Manufacture Date: N/A
Expiration Date: N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Hydroxide	1336-21-6	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Assay (vs. Sulfuric Acid/Methyl Red)	9.7-10.3 % (v/v)	N/A	723

Specification	Reference
Ammonium Hydroxide, 1 + 9	APHA (3500-Pb B)
Ammonium Hydroxide, 10% (v/v)	EPA (SW-846) (7195)
Ammonium Hydroxide (1+9)	ASTM (D 4548)
Ammonium Hydroxide, 10% (v/v)	EPA (218.5)
Ammonium Hydroxide (1+9)	ASTM (D 4785)
Ammonium Hydroxide Solution (1+9)	ASTM (D 3865)
Ammonium Hydroxide, 2.5% NH3 Reagent Solution	ACS (N/A)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
631.5-32	1 L natural poly	24 months
631.5-5HP	20 L Ropak™	24 months
631.5-5	20 L Cubitainer®	24 months
631.5-1	4 L natural poly	24 months
631.5-16	500 mL natural poly	24 months

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

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