

Certificate of Analysis

Ammonium Hydroxide, 5.00 Normal

ot Number: 2307L78 Product Number: 644			Manufacture Date: JUL 27, 2023 Expiration Date: JUL 2023	
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	Passed		
Assay (vs. Sulfuric Acid/Methyl Red)	4.995-5.015 N at 20°C	5.012 N at 20°C	723	
Specification	Reference			
Ammonium Hydroxide, 5 N	APHA (7500-Ra B)			
Ammonium Hydroxide, 5 N	APHA (3500-Cu B)			
Volumetric glassware complies with Class A tolerand recalibrated regularly in accordance with ASTM E 5- traceable to the NIST national mass standard. There thermometer traceable to NIST standards. All produ- methods. Batch records document raw material trace	42 and NIST Procedure NBSIR 74-461. E nometers and temperature probes are ca cts are prepared according to master doc	Balances are calibrated regularly with librated before first use and recalibra uments that assure manufacture acc	n weights certified ated regularly with a	
Part Number	Size / Package Type	Shelf Life (Unopened	l Container)	
644-16	500 mL natural poly	24 months		
644-32	1 L natural poly	24 months		

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

prou Travers

Sharon Travers (07/27/2023) Operations Manager This document is designed to comply with ISO Guide 31 "Reference Materials --Contents of Certificates and Labels."

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.