

Certificate of Analysis

Ammonia Buffer, for Hardness Testing

Lot Number: 2403L66

Product Number: 616

Manufacture Date: MAR 28, 2024

Expiration Date: MAR 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Chloride	12125-02-9	ACS
Ammonium Hydroxide	1336-21-6	ACS
Ammonium Sulfide	12135-76-1	Reagent

Test	Specification	Result	NIST SRM#
Appearance	Pale greenish yellow liquid	Passed	
pH at 25°C (Method: SQCP027, SQCP033)	9.9-10.1	10.0	186-I-g, 186-II-g, 191d

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)
616-1	4 L natural poly	12 months

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

Jose Pena (03/28/2024)

Operations Manager

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

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