

# Certificate of Analysis

## Ammonia-Ammonium Chloride Buffer TS

**Lot Number:** 4403S09

**Product Number:** 623.5

**Manufacture Date:** MAR 29, 2024

**Expiration Date:** MAR 2025

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

Test	Specification	Result
Appearance	Colorless liquid	Passed
Suitability for Use	Ca/Mg Free	Passed

Specification	Reference
Buffer	EPA (130.1)
Ammonia-Ammonium Chloride Buffer TS	USP (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)
623.5-16	500 mL natural poly	12 months
623.5-32	1 L natural poly	12 months

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



Paul Brandon (03/29/2024)

Production Manager

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

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