

# Certificate of Analysis

## Water Hardness Buffer, without Magnesium EDTA

**Lot Number:** 1311F70**Product Number:** 9201**Manufacture Date:** NOV 15, 2023**Expiration Date:** NOV 2024

This product does not contain Magnesium. The presence of Magnesium is necessary to yield a satisfactory endpoint with most water hardness indicators. RICCA CHEMICAL COMPANY Cat. No. 9200 contains Magnesium EDTA and is recommended when Magnesium is not known to be present in the sample.

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

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)
9201-16	500 mL natural poly	12 months
9201-32	1 L natural poly	12 months

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

Heidi J Green (11/15/2023)

Operations Manager

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

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