

# Certificate of Analysis

## Water Hardness Buffer, with Magnesium EDTA

**Lot Number:** 4404N66

**Product Number:** 9200

**Manufacture Date:** APR 26, 2024

**Expiration Date:** APR 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Hydroxide	1336-21-6	ACS
Ammonium Chloride	12125-02-9	ACS
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS
Magnesium Chloride Hexahydrate	7791-18-6	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed
Suitability for Use	Passes Test	Passed

Specification	Reference
Buffer Solution, Ammonium Chloride-Ammonium Hydroxide	ASTM (D 511 A)
Buffer Solution	APHA (2340 C)
Buffer Solution	EPA (215.2)
Buffer Solution	EPA (130.2)

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)
9200-1	4 L natural poly	12 months
9200-16	500 mL natural poly	12 months
9200-32	1 L natural poly	12 months

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



Paul Brandon (04/26/2024)

Production Manager

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