

Certificate of Analysis

Ammonium Sulfate, 2.0 Molar

Lot Number: 1403L46

Product Number: 694

Manufacture Date: MAR 27, 2024

Expiration Date: MAR 2026

This product is suitable for use as an ionic strength adjustor (ISA) with Nitrate, Fluoroborate, and Perchlorate Ion Selective Electrodes (ISE).

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Sulfate	7783-20-2	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed
Assay (by Refractive Index)	1.96-2.04 Molar	2.04 Molar

Specification	Reference
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ISA Adjustor Solution (2 M, (NH₄)₂SO₄)

EPA (SW-846) (9210)

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)
694-16	500 mL natural poly	24 months
694-32	1 L natural poly	24 months

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

Heidi J Green (03/27/2024)

Operations Manager

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

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