

# Certificate of Analysis

## Ferrous Ammonium Sulfate, 0.250 Normal (N/4), 0.250 Molar (M/4)

**Lot Number:** 2312E55

**Product Number:** 3150

**Manufacture Date:** DEC 12, 2023

**Expiration Date:** DEC 2024

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferrous Ammonium Sulfate Hexahydrate	7783-85-9	ACS
Sulfuric Acid	7664-93-9	ACS

Test	Specification	Result	NIST SRM#
Appearance	Light green liquid	Passed	
Assay (vs. Potassium Dichromate/Ferrouin)	0.2499-0.2501 N at 20°C	0.2499 N at 20°C	136

Specification	Reference
Ferrous Ammonium Sulfate Solution (0.25 N)	ASTM (D 1252 A)
Standard Ferrous Ammonium Sulfate (FAS) Titrant, 0.25 M	APHA (5220 B)
Standard Ferrous Ammonium Sulfate, 0.250 N	EPA (410.3)
Standard Ferrous Ammonium Sulfate, 0.25 N	EPA (410.1)

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)
3150-16	500 mL amber glass	12 months

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



Jose Pena (12/12/2023)

Operations Manager

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

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.