

# Certificate of Analysis

**Ferrous Ammonium Sulfate, 0.00282 Normal (0.00282 Molar), 1 mL = 0.1 mg Cl<sub>2</sub>**

**Lot Number:** 1404H12

**Product Number:** 3144

**Manufacture Date:** APR 16, 2024

**Expiration Date:** APR 2025

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

Test	Specification	Result	NIST SRM#
Appearance	Light green liquid	Passed	
Assay (vs. Potassium Dichromate/Ferrouin)	0.002815-0.002825 N at 20°C	0.002822 N at 20°C	136

Specification	Reference
Standard Ferrous Ammonium Sulfate (FAS) Titrant	APHA (4500-CIO2 D)
Standard Ferrous Ammonium Sulfate (FAS) Titrant	APHA (4500-CI F)
Standard Ferrous Ammonium Sulfate (FAS) Titrant	APHA (4500-CI G)
Standard Ferrous Ammonium Sulfate (FAS) Titrant	EPA (330.4)

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)
3144-1	4 L amber glass	12 months
3144-16	500 mL amber glass	12 months
3144-32	1 L amber glass	12 months

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



Heidi J Green (04/16/2024)

Operations Manager

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

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