

Certificate of Analysis

Ceric Ammonium Sulfate, 0.100 Normal (N/10) in 1 Normal Sulfuric Acid

Lot Number: 2311H43

Product Number: 1890

Manufacture Date: NOV 17, 2023

Expiration Date: NOV 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ceric Ammonium Sulfate Dihydrate	10378-47-9	ACS
Sulfuric Acid	7664-93-9	ACS

Test	Specification	Result	NIST SRM#
Appearance	Orange liquid	Passed	
Assay (vs. Sodium Oxalate)	0.0999-0.1001 N at 20°C	0.1000 N at 20°C	8040

Specification	Reference
Ceric Ammonium Sulfate, 0.1 N	ACS (N/A)

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)
1890-1	4 L natural poly	24 months
1890-32	1 L natural poly	24 months

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

Sharon Travers (11/17/2023)

Operations Manager

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

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