

Certificate of Analysis

Ferric Alum Indicator, Volhard

Lot Number: 2404F02

Product Number: 3050

Manufacture Date: APR 08, 2024

Expiration Date: MAR 2026

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferric Ammonium Sulfate Dodecahydrate	7783-83-7	ACS
Nitric Acid	7697-37-2	ACS

Test	Specification	Result
Appearance	Amber liquid	Passed
Suitability for Use	White precipitate (Excess Silver ions) - Reddish-Brown Color (Excess Thiocyanate ions)	Passed

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)
3050-16	500 mL natural poly	24 months
3050-32	1 L natural poly	24 months
3050-4	120 mL natural poly	24 months

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

Jose Pena (04/08/2024)

Operations Manager

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

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