

Certificate of Analysis

Orthophenanthroline TS, 0.025 M Phenanthroline Ferrous Sulfate

Lot Number: 2308R24

Product Number: 5464.8

Manufacture Date: AUG 31, 2023

Expiration Date: AUG 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
1,10-Phenanthroline Monohydrate	5144-89-8	ACS
Ferrous Sulfate Heptahydrate	7782-63-0	ACS

Test	Specification	Result
Appearance	Dark red liquid	Passed
Suitability for Use	Green to Bluish Green (Reduced) - Redish (Oxidized)	Passed

Specification	Reference
Orthophenanthroline TS	USP (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)
5464.8-16	500 mL amber glass	24 months
5464.8-4	120 mL amber glass	24 months

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



Sharon Travers (08/31/2023)

Operations Manager

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

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