

Certificate of Analysis

Gardner Color Standard #18

Lot Number: 1310S25

Product Number: 3226.18

Manufacture Date: OCT 23, 2023

Expiration Date: OCT 2024

Name	CAS#	Grade
Ferric Chloride Hexahydrate	10025-77-1	ACS
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	Result
Appearance	Yellow liquid	Passed
Gardner color (ASTM D 6166)	17.7-18.3	18.2

Specification	Reference
Gardner Color Standard No. 18	ASTM (D 1544-58 T)
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)
3226.18-16	500 mL amber glass	12 months

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



Heidi J Green (10/23/2023)

Operations Manager

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

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