

Certificate of Analysis

Color Standard Stock, APHA 500, Modified

Lot Number: 2403F44

Product Number: R2229950

Manufacture Date: MAR 11, 2024

Expiration Date: FEB 2026

Absorbance values are certified traceable to NG-type glass filters calibrated against NIST Standard Reference Material 930e. Spectrophotometer wavelength accuracy is confirmed by measurement of two wavelengths from the spectrophotometer Deuterium lamp. These peak wavelengths are absolute physical constants.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Potassium Hexachloroplatinate (IV)	16921-30-5	Reagent
Cobalt (II) Chloride Hexahydrate	7791-13-1	ACS

Test	Specification	Result	NIST SRM#
Absorbance at 430 nm	0.110-0.120 AU/cm	0.113 AU/cm	930
Absorbance at 455 nm	0.130-0.145 AU/cm	0.145 AU/cm	930
Absorbance at 480 nm	0.1185-0.1235 AU/cm	0.1194 AU/cm	930
Absorbance at 510 nm	0.063-0.068 AU/cm	0.063 AU/cm	930
Appearance	Yellow-brown liquid	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)
R2229950-1C	1 L amber glass	24 months

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



Jose Pena (03/11/2024)

Operations Manager

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

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