

# Certificate of Analysis

## Cleaning Solution, Chromic-Sulfuric Acid Solution for Cleaning Laboratory Glassware

Lot Number: 4312E64

Product Number: 2150

Manufacture Date: DEC 14, 2023

Expiration Date: NOV 2025

Name	CAS#	Grade
Sulfuric Acid	7664-93-9	Technical
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Dichromate Dihydrate	7789-12-0	ACS
Chromium (VI) Oxide	1333-82-0	Technical

Test	Specification	Result
Appearance	Brown liquid	Passed

Specification	Reference
Chromic acid	APHA (2580 B)
Chromic Acid Cleaning Solution	ASTM (D 1498)

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)
2150-16	500 mL safety-coated glass	24 months

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

Paul Brandon (12/14/2023)

Production Manager

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

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