

# Certificate of Analysis

**Water Hardness Indicator, 1% Eriochrome Black T in 20% Triethanolamine/80% Isopropyl Alcohol**

**Lot Number:** 4407J80

**Product Number:** 9301

**Manufacture Date:** JUL 19, 2024

**Expiration Date:** JUL 2025

Name	CAS#	Grade
Isopropyl Alcohol	67-63-0	ACS
Triethanolamine	102-71-6	Reagent
Eriochrome Black T	1787-61-7	ACS

Test	Specification	Result
Appearance	Dark red liquid	Passed
Suitability for Use	Wine Red (excess Ca or Mg) - Pure Blue (excess EDTA)	Passed

Specification	Reference
Hardness Indicator Solution	ASTM (D 1126)
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)
9301-16	500 mL amber glass	12 months
9301-4	120 mL amber glass	12 months

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



Paul Brandon (07/19/2024)  
 Production Manager

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.