

# Certificate of Analysis

**Calmagite Indicator, 0.1% (w/v)**

**Lot Number:** 1403J13

**Product Number:** 1830

**Manufacture Date:** MAR 19, 2024

**Expiration Date:** MAR 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Calmagite	3147-14-6	Indicator

Test	Specification	Result
Appearance	Red liquid	Passed
Suitability for Use	Wine Red (Excess Ca/Mg) - Pure Blue (Excess EDTA)	Passed

Specification	Reference
---------------	-----------

Calmagite

APHA (2340 C)

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)
1830-16	500 mL natural poly	12 months
1830-4	120 mL natural poly	12 months

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



Heidi J Green (03/19/2024)

Operations Manager

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

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