RICCA CHEMICAL COMPANY®

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Certificate of Analysis

Calmagite Indicator, 0.1% (w/v)

Lot Number: 2003E62 **Product Number:** 1830

Manufacture Date: MAR 25, 2020
Expiration Date: MAR 2021

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)

Chris Collins (03/25/2020)
Quality Control Supervisor
This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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