

# Certificate of Analysis

## EDTA Titrant, 0.0500 Molar (M/20)

**Lot Number:** 4404H24

**Product Number:** 2705

**Manufacture Date:** APR 12, 2024

**Expiration Date:** MAR 2026

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Calcium Carbonate/Eriochrome Black T)	0.04999-0.05001 Molar	0.05000 Molar	915

Specification	Reference
EDTA Solution (18.5 g/L)	ASTM (D 2036 D)
EDTA Solution, 0.05 M	APHA (4500-CN- H)
0.05 M EDTA	TAPPI (T 665 om-93)
Disodium Ethylenediamine Tetraacetate Solution, 0.05 M	ASTM (E 200)
Edetate Disodium, Twentieth-Molar (0.05 M) Volumetric Solution	USP (N/A)

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)
2705-16	500 mL natural poly	24 months
2705-2.5	10 L Cubitainer®	24 months
2705-32	1 L natural poly	24 months
2705-5	20 L Cubitainer®	24 months

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



Paul Brandon (04/12/2024)

Production 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.