RICCA CHEMICAL COMPANY®

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Certificate of Analysis

Borate Buffer, pH 9.5, for Ammonia and Organic Nitrogen Analysis

Lot Number: 2404D81 **Product Number:** 1040

Manufacture Date: APR 04, 2024
Expiration Date: SEP 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Tetraborate Decahydrate	1303-96-4	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
pH at 25°C (Method: SQCP027, SQCP033)	9.4-9.6	9.5	186-I-g, 186-II-g, 191d

Specification	Reference
Borate Buffer Solution	APHA (4500-Norg C)
Borate Buffer Solution	APHA (4500-NH3 B)
Borate Buffer Solution	APHA (4500-Norg B)
Borate Buffer	EPA (350.2)
Borate Buffer Solution	ASTM (D 1426 X1)

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)
1040-1	4 L natural poly	18 months
1040-16	500 mL natural poly	18 months
1040-1CT	4 L Cubitainer®	18 months
1040-32	1 L natural poly	18 months

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

Jose Pena (04/04/2024)

Operations Manager

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