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Certificate of Analysis

Buffer, Reference Standard, pH 10.00 ± 0.01 at 25°C (Color Coded Blue)

Lot Number: 2206975 Product Number: 1601

Manufacture Date: JUN 07, 2022

Expiration Date: NOV 2023

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ±0.05.

10 20 2530 35 50 15 9.91 9.81 10.31 10.23 10.17 10.11 10.05 10.00 9.95 9.87 pН

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS
Sodium Bicarbonate	144-55-8	ACS
Sodium Hydroxide	1310-73-2	Reagent
Preservative	Proprietary	
Blue Dye	Proprietary	

Test	Specification	Result	NIST SRM#
Appearance	Blue liquid	Passed	
pH at 25°C (Method: SQCP027, SQCP033)	9.990-10.010	10.007	186-I-g, 186-II-g, 191d
pH at 25°C (Method: SQCP027, SQCP033) Uncertainty	0.02	0.02	

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer C	ASTM (D 5464)
Buffer C	ASTM (D 5128)

City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) National Institute of Standards and Technology (NIST) Standard Reference Material indicated The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by

Volumetric glassware complies with Class of ASTM E 288 and Circular A tolerance requirements recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with standard. Thermometers calibrated before standards. All products are prepared according master documents 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)
1601-16	500 mL natural poly	18 months

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

Version: 1.3 **Lot Number:** 2206975 **Product Number:** 1601 Page 1 of 2

Munker

Myrlande Gilles (06/07/2022)

Quality Control

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference

Materials -- Contents of Certificates and Labels."



Certificate # L2387.01 Testing

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

Page 2 of 2 Version: 1.3 Lot Number: 2206975 Product Number: 1601