RICCA CHEMICAL COMPANY®

Certificate of Analysis

Buffer, Reference Standard, pH 6.86 ± 0.01 at $25^{\circ}C$

Manufacture Date: FEB 29, 2024 Expiration Date: FEB 2026

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

°C	0	5	10	15	20	25	30	35	40	45	50
pН	6.984	6.950	6.924	6.899	6.879	6.860	6.852	6.844	6.840	6.837	6.836

Product Number: 1540

Name	CAS#	Grade		
Water	7732-18-5	ACS/ASTM/USP/E	P	
Sodium Phosphate Dibasic	7558-79-4	ACS		
Potassium Dihydrogen Phosphate	7778-77-0	ACS		
Preservative	Proprietary			
Test	Specification	Result		
Appearance	Colorless liquid	Passed	*Not a certified value	
Test	Certified Value	Uncertainty	NIST SRM#	
pH at 25°C (Method: SQCP027, SQCP033)	6.865	0.02	185i, 186-I-g, 186-II-g	

Specification

Lot Number: 4402R21

D1 1 /	D C	D 00	a 1	(pH = 6.86 at 25°C)	
Phoenhoto	Rotoronco	Buttor	Solution	$(nH = 6.86 \text{ at } 25^{\circ}\text{C})$	
1 mosphate	I UCICI CHICC	Duner	Dorution	$(p_{11} = 0.00 a_{1} \Delta 0 0)$	

ASTM (D 1498)

Reference

pH measurements were performed in our Batesville, IN laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.02) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. 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. 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)
1540-16	500 mL natural poly	24 months
1540-2.5	10 L Cubitainer®	24 months
1540-5	20 L Cubitainer®	24 months
D 110 170		

Recommended Storage: $15^{\circ}C - 30^{\circ}C (59^{\circ}F - 86^{\circ}F)$

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Paul Brandon (02/29/2024) Production Manager This document is designed to comply with ISO Guide 31 "Reference Materials --Contents of Certificates and Labels."

This product was tested in an ISO 17025 Accredited Laboratory

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