RICCA CHEMICAL COMPANY®										htt	448 West Fork Dr Arlington, TX 76012 p://www.riccachemical.com 1-888-GO-RICCA	
		Ce	ertif	ica	te o	of A	nal	ysis	3	,	customer	rservice@riccachemical.com
Buffer	, Refe	rence	Stand	lard, p	H 4.0	0 ± 0.0)1 at 2	5°C				
Lot Number: 1401E49 Product I					Number: 1500					facture Date: JAN 11, 2024 Expiration Date: DEC 2025		
		e for this j le pH valu									ng temperati	ures are accurate to ± 0.05.
°C pH	$\begin{array}{c} 0 \\ 4.00 \end{array}$	$5\\4.00$	$\begin{array}{c} 10 \\ 4.00 \end{array}$	$\begin{array}{c} 15 \\ 4.00 \end{array}$	$\begin{array}{c} 20 \\ 4.00 \end{array}$	$\begin{array}{c} 25 \\ 4.00 \end{array}$	$\begin{array}{c} 30\\ 4.01 \end{array}$	$\begin{array}{c} 35\\ 4.02 \end{array}$	$\begin{array}{c} 40\\ 4.03\end{array}$	$\begin{array}{c} 45\\ 4.04\end{array}$	$\begin{array}{c} 50 \\ 4.06 \end{array}$	
Name						CA	S#			Grade		
Water				7732-18-5				ACS/A	STM/USP	/EP		
Potassium Acid Phthalate					877-24-7				Buffer			
Preservative			Proprietary			Comme	ercial					
Test				Specification			Re	esult				
Appearance			Colorless liquid			Ра	ıssed	*Not a certified value.				
Test				Certified Value			U	ncertainty	V NIST SRM#			

pH at 25°C (Method: SQCP027, SQCP033)

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	Specification	Reference

Phthalate Reference Buffer Solution (pH = 4.00 at 25°C)

pH measurements were performed in our Arlington, TX laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387) 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 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.

4.004

0.02

ASTM (D 1498)

Part Number	Size / Package Type	Shelf Life (Unopened Container)		
1500-1	4 L natural poly	24 months		
1500-16	500 mL natural poly	24 months		
1500-1CT	4 L Cubitainer®	24 months		
1500-2.5	10 L Cubitainer®	24 months		

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

185i, 186-I-g, 186-II-g

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Heidi J Green (01/11/2024) Operations 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.