	RIC	CCA	CH	HEN	ЛIC	AL	CC	MP	AN	JY [®]	448 West Fork Dr Arlington, TX 76012 http://www.riccachemical.com 1-888-GO-RICCA
customerservice@riccachemical.com											
Buffer	, Refe	erence	Stand	ard, p	H 4.0	0 ± 0.0)1 at 2	5°C			
T / XT		1 40 47		ъ		NT1.	150)			Manufacture Date: APR 25, 2024
Lot Number: 1404K52 Product 2					Numbe	r: 1500)			Expiration Date: APR 2026	
			product is ue is certif		-			-			g temperatures are accurate to ± 0.05.
°C	0	5	10	15	20	25	30	35	40	45	50
pН	4.00	4.00	4.00	4.00	4.00	4.00	4.01	4.02	4.03	4.04	4.06
Name						CA	.S#			Grade	
Preservative					Proprietary			Commercial		rcial	
Potassium Acid Phthalate					877-24-7			Buffer			
Water				7732-18-5				ACS/AS	STM/USP/EP		
m .							<i>a</i>	• @ . •		-	1.

Test	Specification	\mathbf{Result}	
Appearance	Colorless liquid	Passed	*Not a certified value.
Test	Certified Value	Uncertainty	NIST SRM#

Specification

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. 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.

Reference

ASTM (D 1498)

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1500-1	4 L natural poly	24 months
1500-2.5	10 L Cubitainer®	24 months
1500-32	1 L natural poly	24 months
1500-5	20 L Cubitainer®	24 months

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

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Heidi J Green (04/25/2024) Operations Manager

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.