RICCA CHEMIC	CAL COMP		448 West Fork Dr Arlington, TX 76012 http://www.riccachemical.com 1-888-GO-RICCA comerservice@riccachemical.com
Certificate of	of Analysis		
Buffer, Reference Standard, pH 5.0	00 ± 0.01 at 25°C		
The certified value for this product is confirmed in inde		alified chemist.	Manufacture Date: JAN 11, 2024 Expiration Date: DEC 2025
The NIST Traceable pH value is certified to $\pm 0.01$ at 25 °C 10 15 20 25 30 pH 4.96 4.97 4.98 5.00 5.01	<sup>e</sup> C only. All other pH values at 35 40 45 5.03 5.04 5.06	50 5.08	mperatures are accurate to $\pm 0.05$ .
Name	CAS#	Grade	
Water	7732-18-5	ACS/ASTM	/USP/EP
Potassium Acid Phthalate	877-24-7	Buffer	
Sodium Hydroxide Preservative	1310-73-2 Proprietary	Reagent	
Test	Specification	n Result	t
Appearance	Colorless lic	uid Passec	l *Not a certified value.
Test	Certified Va	lue Uncer	tainty NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	4.999	0.02	185i, 186-I-g, 186-II-g
pH measurements were performed in our Arlington, T traceable to National Institute of Standards and Techn comparisons. The uncertainty is calculated from the u Standard Reference Material, and the uncertainty of t a normal distribution. Volumetric glassware complies before first use and recalibrated regularly in accordan weights certified traceable to the NIST national mass regularly with a thermometer traceable to NIST standa according to validated methods. Batch records docume	nology (NIST) Standard Referen ncertainty of the measurement he measurement process. The u with Class A tolerance requiren- ce with ASTM E 542 and NIST standard. Thermometers and to lards. All products are prepared	the Material as indicate variation from sample ncertainty is multiplied nents of ASTM E 288 a Procedure NBSIR 74-44 emperature probes are of according to master do	d above via an unbroken chain of to sample, the uncertainty in the NIST d by k=2, corresponding to 95% coverage in nd NIST Circular 434; it is calibrated 61. Balances are calibrated regularly with calibrated before first use and recalibrated ocuments that assure manufacture

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1505-2.5	10 L Cubitainer®	24 months
1505-32	1 L natural poly	24 months

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

9

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.