RICCA CHEMICAL COMPANY®										448 West Fork Dr Arlington, TX 76012 ://www.riccachemical.com 1-888-GO-RICCA		
		Ce	ertif	ïca	te o	of A	nal	ysis	5		customers	ervice@riccachemical.com
Buffer	r, Refe	rence	Stand	ard, p	H 1.0	0 ± 0.0)1 at 2	5°C				
Lot Number: 1302G23 Product N					Number: 1489					Manufacture Date: FEB 21, 2023 Expiration Date: FEB 2023		
			product is ue is certi								ing temperatu	res are accurate to ± 0.05 .
°C pH	$\begin{array}{c} 10 \\ 0.95 \end{array}$	$\begin{array}{c} 15 \\ 0.98 \end{array}$	$\begin{array}{c} 20\\ 1.00 \end{array}$	$\begin{array}{c} 25\\ 1.00 \end{array}$	$\begin{array}{c} 30 \\ 1.02 \end{array}$	$\begin{array}{c} 35 \\ 1.02 \end{array}$	$\begin{array}{c} 40\\ 1.02 \end{array}$	$\begin{array}{c} 45\\ 1.04 \end{array}$	$\begin{array}{c} 50 \\ 1.05 \end{array}$	$\begin{array}{c} 55\\ 1.07\end{array}$	$\begin{array}{c} 60\\ 1.07\end{array}$	
Name					CAS#			Grade				
Water					7732-18-5				ACS/ASTM/USP/EP			
Hydrochloric Acid				7647-01-0				ACS				
Test					Specification				R	esult		
Appearance				Colorless liquid			Р	assed	*Not a certified value.			
Test				Certified Value			Ŭ	ncertainty	NIST SRM#			
pH at 25°C (Method: SQCP027, SQCP033)				1.002			0	.02	185i, 186-I-g, 186-II-g			
traceab compar Standa	le to Nati isons. The rd Referen	onal Insti e uncertai nce Mater	tute of Sta nty is calc rial, and th	andards a sulated fro ne uncerta	nd Techno om the un inty of th	ology (NIS certainty e measure	ST) Stands of the mea ement pro	ard Refere asuremen ocess. The	ence Mat t variatio uncertai	erial as in on from sa nty is mul	dicated above mple to sampl tiplied by k=2	icate L2387) and are certified via an unbroken chain of e, the uncertainty in the NIST corresponding to 95% coverage in 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.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1489-1	4 L natural poly	24 months
1489-16	500 mL natural poly	24 months
1489-2.5	10 L Cubitainer®	24 months
1489-32	1 L natural poly	24 months
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Recommended Storage: 15°C - 30°C (59°F - 86°F)

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Heidi J Green (02/21/2023) 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.