



**Aqua Solutions, Inc.**  
**6913 Highway 225**  
**Deer Park, TX, 77536**  
**281/479-2569**  
**Certificate of Analysis / QC Results**  
**Customer PO # :**

Test	Target/UOM	Range	Result
<b>Packaged Product:</b> 1461			
	BUFFER REFERENCE pH 4.0/CLEAR		
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID			
Tested 09/07/23			
Tester JRIO			
Recorded 09/07/23			
<b>PH OF PRODUCT/SOLUTION</b>	4.008	3.998 - 4.018	4.007
	PH		
Sample ID			
Tested 09/07/23			
Tester JRIO			
Recorded 09/07/23			
<b>QCSP 20 PH CALIBRATION METHODS</b>	YES		YES
	METHOD		
Sample ID			
Tested 09/07/23			
Tester JRIO			
Recorded 09/07/23			
<b>Actual Temp</b>	25.0	24.0 - 26.0	25.0
	DEG C		
Sample ID			
Tested 09/07/23			
Tester JRIO			
Recorded 09/07/23			
<b>pH Traceable to N.I.S.T. SRM'S</b>	YES		YES
	YES		
Sample ID			
Tested 09/07/23			
Tester JRIO			
Recorded 09/07/23			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 09/07/23			
Tester JRIO			
Recorded 09/07/23			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M106,M87,M103,T-IX
Sample ID			
Tested 09/07/23			
Tester JRIO			
Recorded 09/07/23			
<b>PH NIST TRACEABLE TO SRM 189</b>	YES		YES
	YES		
Sample ID			
Tested 09/07/23			
Tester JRIO			
Recorded 09/07/23			



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<b>PH NIST TRACEABLE TO SRM 185</b>	YES	YES
	YES	
Sample ID		
Tested	09/07/23	
Tester	JRIO	
Recorded	09/07/23	
<b>NIST TRACEABLE TO SRM186I AND 186II</b>	YES	YES
	YES	
Sample ID		
Tested	09/07/23	
Tester	JRIO	
Recorded	09/07/23	
<b>PH NIST TRACEABLE TO SRM 187</b>	YES	YES
	YES	
Sample ID		
Tested	09/07/23	
Tester	JRIO	
Recorded	09/07/23	
<b>EXPIRATION DATE</b>	MM/DD/YY	09/30/25
	MM/DD/YYYY	
Sample ID		
Tested	09/07/23	
Tester	JRIO	
Recorded	09/07/23	
<b>SHELF LIFE OF PRODUCT</b>	SHELF LIFE	2 YEARS
	TIME	
Sample ID		
Tested	09/07/23	
Tester	JRIO	
Recorded	09/07/23	
<b>Lot #</b>	3083103	
<b>Made</b>	09/07/23	

This is to certify that the product listed above has been prepared according to the agreed upon formulation. The solutions producer has a Quality Management System which governs each step of the manufacturing process to insure the production of a consistent product. Traceability from the producer's lot numbers to the original manufacturer's lot number is maintained. Certificates of Analysis for the raw materials used to prepare this product are available upon request.

The weights and/or volumes used to prepare this product are N.I.S.T. Traceable. All balances used in the preparation of product are calibrated daily against N.I.S.T. Traceable weights. The balances are maintained and serviced on a regular basis by an outside certified company. All volumetric glassware used is N.I.S.T. Traceable and certified as meeting Class A specifications.

Unless otherwise agreed to, all chemicals used in the preparation of this product are Reagent ACS grade.



**Quality Manager**