



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

<b>Packaged Product:</b> 1535			
BUFFER REFERENCE pH 13.0 (± 0.01)			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID	YES		
Tested 09/01/22			
Tester BPHI			
Recorded 09/01/22			
<b>PH OF PRODUCT/SOLUTION</b>	13.000	12.980 - 13.020	13.000
	PH		
Sample ID			
Tested 09/01/22			
Tester BPHI			
Recorded 09/01/22			
<b>QCSP 20 PH CALIBRATION METHODS</b>	YES		YES
	METHOD		
Sample ID			
Tested 09/01/22			
Tester BPHI			
Recorded 09/01/22			
<b>Actual Temp</b>	25.0	24.9 - 25.1	25.0
	DEG C		
Sample ID			
Tested 09/01/22			
Tester BPHI			
Recorded 09/01/22			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 09/01/22			
Tester BPHI			
Recorded 09/01/22			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M103,T-6,M106
Sample ID			
Tested 09/01/22			
Tester BPHI			
Recorded 09/01/22			
<b>pH Traceable to N.I.S.T. SRM'S</b>	YES		YES
	YES		
Sample ID			
Tested 09/01/22			
Tester BPHI			
Recorded 09/01/22			
<b>PH NIST TRACEABLE TO SRM 187</b>	YES		YES
	YES		
Sample ID			
Tested 09/01/22			
Tester BPHI			
Recorded 09/01/22			



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<b>PH NIST TRACEABLE TO SRM 2193</b>	YES YES	YES
Sample ID		
Tested	09/01/22	
Tester	BPHI	
Recorded	09/01/22	
<b>TRACEABLE TO NIST SRM 191I AND SRM 191II</b>	YES YES	YES
Sample ID		
Tested	09/01/22	
Tester	BPHI	
Recorded	09/01/22	
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY	09/30/23
Sample ID		
Tested	09/01/22	
Tester	BPHI	
Recorded	09/01/22	
<b>SHELF LIFE OF PRODUCT</b>	1 YEAR TIME	1 YEAR
Sample ID		
Tested	09/01/22	
Tester	BPHI	
Recorded	09/01/22	
<b>Lot #</b>	2071520	
<b>Made</b>	09/01/22	

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**