



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

<b>Packaged Product:</b> 1521			
BUFFER REFERENCE pH 9.18 (± 0.01)			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 11/28/23			
Tester RSHE			
Recorded 11/28/23			
<b>Actual pH of product</b>	9.180	9.170 - 9.190	9.185
	PH		
Sample ID			
Tested 11/28/23			
Tester RSHE			
Recorded 11/28/23			
<b>QCSP 20 PH CALIBRATION</b>	YES		YES
<b>METHODS</b>	METHOD		
Sample ID			
Tested 11/28/23			
Tester RSHE			
Recorded 11/28/23			
<b>Actual Temp</b>	25.0	24.0 - 26.0	25.0
	DEG C		
Sample ID			
Tested 11/28/23			
Tester RSHE			
Recorded 11/28/23			
<b>PH NIST TRACEABLE TO SRM 187</b>	YES		YES
	YES		
Sample ID			
Tested 11/28/23			
Tester RSHE			
Recorded 11/28/23			
<b>NIST TRACEABLE TO SRM186I AND 186II</b>	YES		YES
	YES		
Sample ID			
Tested 11/28/23			
Tester RSHE			
Recorded 11/28/23			
<b>TRACEABLE TO NIST SRM 191I AND SRM 191II</b>	YES		YES
	YES		
Sample ID			
Tested 11/28/23			
Tester RSHE			
Recorded 11/28/23			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID		PASS
	APPEARANCE		
Sample ID			
Tested 11/28/23			
Tester RSHE			
Recorded 11/28/23			



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<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	M112,T9,M117
Sample ID		
Tested 11/28/23		
Tester RSHE		
Recorded 11/28/23		
<b>EXPIRATION DATE</b>	MM/DD/YY	05/30/25
	MM/DD/YYYY	
Sample ID		
Tested 11/28/23		
Tester RSHE		
Recorded 11/28/23		
<b>SHELF LIFE</b>	18 MONTHS	18 MONTHS
	TIME	
Sample ID		
Tested 11/28/23		
Tester RSHE		
Recorded 11/28/23		
<b>Lot #</b>	3111654	
<b>Made</b>	11/28/23	

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**