

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

<b>Packaged Product:</b> 1527			
BUFFER REFERENCE pH 12.0 (±0.02)			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 08/23/23			
Tester BPHI			
Recorded 08/23/23			
<b>PH OF PRODUCT/SOLUTION</b>	12.000	11.980 - 12.020	12.002
	PH		
Sample ID			
Tested 08/23/23			
Tester BPHI			
Recorded 08/23/23			
<b>QCSP 20 PH CALIBRATION</b>	YES		YES
<b>METHODS</b>	METHOD		
Sample ID			
Tested 08/23/23			
Tester BPHI			
Recorded 08/23/23			
<b>Actual Temp</b>	25.0	24.0 - 26.0	25.0
	DEG C		
Sample ID			
Tested 08/23/23			
Tester BPHI			
Recorded 08/23/23			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID		PASS
	APPEARANCE		
Sample ID			
Tested 08/23/23			
Tester BPHI			
Recorded 08/23/23			
<b>INSTRUMENTS USED DURING</b>	INSTRUMENT		M91,GC,T52A
<b>PREPARATION</b>			
Sample ID			
Tested 08/23/23			
Tester BPHI			
Recorded 08/23/23			
<b>PH NIST TRACEABLE TO SRM 187</b>	YES		YES
	YES		
Sample ID			
Tested 08/23/23			
Tester BPHI			
Recorded 08/23/23			
<b>PH NIST TRACEABLE TO SRM 2193</b>	YES		YES
	YES		
Sample ID			
Tested 08/23/23			
Tester BPHI			
Recorded 08/23/23			

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**TRACEABLE TO NIST SRM 191I AND  
SRM 191II**

YES

YES

YES

Sample ID  
 Tested 08/23/23  
 Tester BPHI  
 Recorded 08/23/23

**EXPIRATION DATE**

MM/DD/YY  
 MM/DD/YYYY

08/30/24

Sample ID  
 Tested 08/23/23  
 Tester BPHI  
 Recorded 08/23/23

**SHELF LIFE OF PRODUCT**

SHELF LIFE  
 TIME

1 YEAR

Sample ID  
 Tested 08/23/23  
 Tester BPHI  
 Recorded 08/23/23

**Lot #** 3081855

**Made** 08/23/23

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**