

**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 07/19/23			
Tester BPHI			
Recorded 07/19/23			
<b>PH OF PRODUCT/SOLUTION</b>	12.000	11.980 - 12.020	11.997
	PH		
Sample ID			
Tested 07/19/23			
Tester BPHI			
Recorded 07/19/23			
<b>QCSP 20 PH CALIBRATION</b>	YES		YES
<b>METHODS</b>	METHOD		
Sample ID			
Tested 07/19/23			
Tester BPHI			
Recorded 07/19/23			
<b>Actual Temp</b>	25.0	24.0 - 26.0	25.5
	DEG C		
Sample ID			
Tested 07/19/23			
Tester BPHI			
Recorded 07/19/23			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID		PASS
	APPEARANCE		
Sample ID			
Tested 07/19/23			
Tester BPHI			
Recorded 07/19/23			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M106,M91,
Sample ID			
Tested 07/19/23			
Tester BPHI			
Recorded 07/19/23			
<b>PH NIST TRACEABLE TO SRM 187</b>	YES		YES
	YES		
Sample ID			
Tested 07/19/23			
Tester BPHI			
Recorded 07/19/23			
<b>PH NIST TRACEABLE TO SRM 2193</b>	YES		YES
	YES		
Sample ID			
Tested 07/19/23			
Tester BPHI			
Recorded 07/19/23			



Aqua Solutions, Inc.  
Ph: 281-479-2569  
Fax: 281-479-2790  
P.O. Box 70  
Deer Park, TX 77536  
Website: [www.aquasolutions.org](http://www.aquasolutions.org)

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**Customer PO # :**

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

YES

YES

YES

Sample ID

Tested 07/19/23

Tester BPHI

Recorded 07/19/23

**EXPIRATION DATE**

MM/DD/YY

07/30/24

MM/DD/YYYY

Sample ID

Tested 07/19/23

Tester BPHI

Recorded 07/19/23

**SHELF LIFE OF PRODUCT**

SHELF LIFE

1 YEAR

TIME

Sample ID

Tested 07/19/23

Tester BPHI

Recorded 07/19/23

**Lot #** 3071794

**Made** 07/19/23

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**