



**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> 1527			
	BUFFER REFERENCE pH 12.0 (±0.02)		
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID			
Tested 06/19/24			
Tester JRIO			
Recorded 06/19/24			
<b>PH OF PRODUCT/SOLUTION</b>	12.000 PH	11.980 - 12.020	11.995
Sample ID			
Tested 06/19/24			
Tester JRIO			
Recorded 06/19/24			
<b>QCSP 20 PH CALIBRATION METHODS</b>	YES METHOD		YES
Sample ID			
Tested 06/19/24			
Tester JRIO			
Recorded 06/19/24			
<b>Actual Temp</b>	25.0 DEG C	24.0 - 26.0	25.0
Sample ID			
Tested 06/19/24			
Tester JRIO			
Recorded 06/19/24			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 06/19/24			
Tester JRIO			
Recorded 06/19/24			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M103,T228
Sample ID			
Tested 06/19/24			
Tester JRIO			
Recorded 06/19/24			
<b>PH NIST TRACEABLE TO SRM 187</b>	YES YES		YES
Sample ID			
Tested 06/19/24			
Tester JRIO			
Recorded 06/19/24			
<b>PH NIST TRACEABLE TO SRM 2193</b>	YES YES		YES
Sample ID			
Tested 06/19/24			
Tester JRIO			
Recorded 06/19/24			



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<b>TRACEABLE TO NIST SRM 191I AND SRM 191II</b>	YES YES	YES
Sample ID		
Tested	06/19/24	
Tester	JRIO	
Recorded	06/19/24	
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY	06/30/25
Sample ID		
Tested	06/19/24	
Tester	JRIO	
Recorded	06/19/24	
<b>SHELF LIFE OF PRODUCT</b>	SHELF LIFE TIME	1 YEAR
Sample ID		
Tested	06/19/24	
Tester	JRIO	
Recorded	06/19/24	
<b>Lot #</b>	4060626	
<b>Made</b>	06/19/24	

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**