

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

<b>Packaged Product:</b> 1461 BUFFER REFERENCE pH 4.0/CLEAR			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 06/06/24			
Tester BPHI			
Recorded 06/06/24			
<b>PH OF PRODUCT/SOLUTION</b>	4.008 PH	3.998 - 4.018	4.002
Sample ID			
Tested 06/06/24			
Tester BPHI			
Recorded 06/06/24			
<b>QCSP 20 PH CALIBRATION</b>	YES		YES
<b>METHODS</b>	METHOD		
Sample ID			
Tested 06/06/24			
Tester BPHI			
Recorded 06/06/24			
<b>Actual Temp</b>	25.0 DEG C	24.0 - 26.0	25.0
Sample ID			
Tested 06/06/24			
Tester BPHI			
Recorded 06/06/24			
<b>pH Traceable to N.I.S.T. SRM'S</b>	YES YES		YES
Sample ID			
Tested 06/06/24			
Tester BPHI			
Recorded 06/06/24			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 06/06/24			
Tester BPHI			
Recorded 06/06/24			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M87,M103,T-IX
Sample ID			
Tested 06/06/24			
Tester BPHI			
Recorded 06/06/24			
<b>PH NIST TRACEABLE TO SRM 189</b>	YES YES		YES
Sample ID			
Tested 06/06/24			
Tester BPHI			
Recorded 06/06/24			

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**PH NIST TRACEABLE TO SRM 185**

YES

YES

YES

Sample ID

Tested 06/06/24

Tester BPHI

Recorded 06/06/24

**NIST TRACEABLE TO SRM186I AND 186II**

YES

YES

YES

Sample ID

Tested 06/06/24

Tester BPHI

Recorded 06/06/24

**PH NIST TRACEABLE TO SRM 187**

YES

YES

YES

Sample ID

Tested 06/06/24

Tester BPHI

Recorded 06/06/24

**EXPIRATION DATE**

MM/DD/YY  
MM/DD/YYYY

06/30/26

Sample ID

Tested 06/06/24

Tester BPHI

Recorded 06/06/24

**SHELF LIFE OF PRODUCT**

SHELF LIFE  
TIME

2 YEARS

Sample ID

Tested 06/06/24

Tester BPHI

Recorded 06/06/24

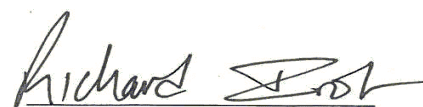
**Lot #** 4060425

**Made** 06/06/24

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**