



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

| <b>Packaged Product:</b> 1510                          |                         |               |                  |
|--|-------------------------|---------------|------------------|
| BUFFER REFERENCE SOLN. pH 8.0 ± 0.02 @ 25°C (N.I.S.T.) |                         |               |                  |
| Test   | Target/UOM              | Range         | Result           |
| <b>PREPARED TO FORMULATION ON FILE</b>                 | YES                     |               | YES              |
| Sample ID  | YES                     |               |                  |
| Tested 07/14/22  |                         |               |                  |
| Tester BPHI  |                         |               |                  |
| Recorded 07/14/22                                      |                         |               |                  |
| <b>PH OF PRODUCT/SOLUTION</b>                          | 8.000                   | 7.980 - 8.020 | 8.000            |
|  | PH                      |               |                  |
| Sample ID  |                         |               |                  |
| Tested 07/14/22  |                         |               |                  |
| Tester BPHI  |                         |               |                  |
| Recorded 07/14/22                                      |                         |               |                  |
| <b>QCSP 20 PH CALIBRATION METHODS</b>                  | YES                     |               | YES              |
|  | METHOD                  |               |                  |
| Sample ID  |                         |               |                  |
| Tested 07/14/22  |                         |               |                  |
| Tester BPHI  |                         |               |                  |
| Recorded 07/14/22                                      |                         |               |                  |
| <b>Actual Temp</b>                                     | 25.0                    | 24.0 - 26.0   | 25.0             |
|  | DEG C                   |               |                  |
| Sample ID  |                         |               |                  |
| Tested 07/14/22  |                         |               |                  |
| Tester BPHI  |                         |               |                  |
| Recorded 07/14/22                                      |                         |               |                  |
| <b>NIST TRACEABLE TO SRM186I AND 186II</b>             | YES                     |               | YES              |
|  | YES                     |               |                  |
| Sample ID  |                         |               |                  |
| Tested 07/14/22  |                         |               |                  |
| Tester BPHI  |                         |               |                  |
| Recorded 07/14/22                                      |                         |               |                  |
| <b>PH NIST TRACEABLE TO SRM 187</b>                    | YES                     |               | YES              |
|  | YES                     |               |                  |
| Sample ID  |                         |               |                  |
| Tested 07/14/22  |                         |               |                  |
| Tester BPHI  |                         |               |                  |
| Recorded 07/14/22                                      |                         |               |                  |
| <b>APPEARANCE AND COLOR</b>                            | CLEAR LIQUID APPEARANCE |               | PASS             |
| Sample ID  |                         |               |                  |
| Tested 07/14/22  |                         |               |                  |
| Tester BPHI  |                         |               |                  |
| Recorded 07/14/22                                      |                         |               |                  |
| <b>INSTRUMENTS USED DURING PREPARATION</b>             | INSTRUMENT              |               | M103,T-164,M106, |
| Sample ID  |                         |               |                  |
| Tested 07/14/22  |                         |               |                  |
| Tester BPHI  |                         |               |                  |
| Recorded 07/14/22                                      |                         |               |                  |



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**Certificate of Analysis / QC Results**

Customer PO # :

|                              |                        |          |
|------------------------------|------------------------|----------|
| <b>EXPIRATION DATE</b>       | MM/DD/YY<br>MM/DD/YYYY | 07/30/23 |
| Sample ID                    |                        |          |
| Tested                       | 07/14/22               |          |
| Tester                       | BPHI                   |          |
| Recorded                     | 07/14/22               |          |
| <b>SHELF LIFE OF PRODUCT</b> | SHELF LIFE<br>TIME     | 1 YEAR   |
| Sample ID                    |                        |          |
| Tested                       | 07/14/22               |          |
| Tester                       | BPHI                   |          |
| Recorded                     | 07/14/22               |          |
| <b>Lot #</b>                 | 2061049                |          |
| <b>Made</b>                  | 07/14/22               |          |

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**