



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

| <b>Packaged Product:</b> 8650                       |            |                   |            |
|-----------------------------------------------------|------------|-------------------|------------|
| SODIUM HYDROXIDE 1.0 NORMAL NIST TRACEABLE SOLUTION |            |                   |            |
| Test                                                | Target/UOM | Range             | Result     |
| <b>Actual Normality</b>                             | 1.0000     | 0.9995 - 1.0005   | 1.0001     |
|                                                     | EQ/L       |                   |            |
| Sample ID                                           |            |                   |            |
| Tested 01/09/24                                     |            |                   |            |
| Tester MHUS                                         |            |                   |            |
| Recorded 01/09/24                                   |            |                   |            |
| <b>+ Measurement Uncertainty</b>                    | 0.0070     | = 0.0070          | 0.0070     |
|                                                     | EQ/L       |                   |            |
| Sample ID                                           |            |                   |            |
| Tested 01/09/24                                     |            |                   |            |
| Tester MHUS                                         |            |                   |            |
| Recorded 01/09/24                                   |            |                   |            |
| <b>QCSP7: STANDARDIZATION OF AQUEOUS BASES</b>      | YES        |                   | YES        |
|                                                     | METHOD     |                   |            |
| Sample ID                                           |            |                   |            |
| Tested 01/09/24                                     |            |                   |            |
| Tester MHUS                                         |            |                   |            |
| Recorded 01/09/24                                   |            |                   |            |
| <b>N.I.S.T. Traceable to SRM 84</b>                 | Yes        |                   | YES        |
|                                                     | YES        |                   |            |
| Sample ID                                           |            |                   |            |
| Tested 01/09/24                                     |            |                   |            |
| Tester MHUS                                         |            |                   |            |
| Recorded 01/09/24                                   |            |                   |            |
| <b>Actual Density</b>                               | 1.04114    | 1.04049 - 1.04179 | 1.04116    |
|                                                     | GM/ML      |                   |            |
| Sample ID                                           |            |                   |            |
| Tested 01/09/24                                     |            |                   |            |
| Tester MHUS                                         |            |                   |            |
| Recorded 01/09/24                                   |            |                   |            |
| <b>PREPARED TO FORMULATION ON FILE</b>              | YES        |                   | YES        |
|                                                     | YES        |                   |            |
| Sample ID                                           |            |                   |            |
| Tested 01/09/24                                     |            |                   |            |
| Tester MHUS                                         |            |                   |            |
| Recorded 01/09/24                                   |            |                   |            |
| <b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>  | YES        |                   | YES        |
|                                                     | YES        |                   |            |
| Sample ID                                           |            |                   |            |
| Tested 01/09/24                                     |            |                   |            |
| Tester MHUS                                         |            |                   |            |
| Recorded 01/09/24                                   |            |                   |            |
| <b>DATE OF SAMPLING FOR TEST PURPOSES</b>           | MM/DD/YYYY |                   | 01/08/2024 |
|                                                     | MM/DD/YYYY |                   |            |
| Sample ID                                           |            |                   |            |
| Tested 01/09/24                                     |            |                   |            |
| Tester MHUS                                         |            |                   |            |
| Recorded 01/09/24                                   |            |                   |            |



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|                                                 |                                           |             |            |
|-------------------------------------------------|-------------------------------------------|-------------|------------|
| <b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b> | 25.0<br>DEG C                             | 10.0 - 35.0 | 22.0       |
| Sample ID                                       |                                           |             |            |
| Tested                                          | 01/09/24                                  |             |            |
| Tester                                          | MHUS                                      |             |            |
| Recorded                                        | 01/09/24                                  |             |            |
| <b>DATE OF TESTING OF SAMPLE</b>                | MM/DD/YYYY<br>MM/DD/YYYY                  |             | 01/08/2024 |
| Sample ID                                       |                                           |             |            |
| Tested                                          | 01/09/24                                  |             |            |
| Tester                                          | MHUS                                      |             |            |
| Recorded                                        | 01/09/24                                  |             |            |
| <b>AMBIENT TEST TEMPERATURE DEGC</b>            | 20.0<br>DEG C                             | 15.0 - 30.0 | 22.0       |
| Sample ID                                       |                                           |             |            |
| Tested                                          | 01/09/24                                  |             |            |
| Tester                                          | MHUS                                      |             |            |
| Recorded                                        | 01/09/24                                  |             |            |
| <b>APPEARANCE AND COLOR</b>                     | CLEAR WATER WHITE<br>LIQUID<br>APPEARANCE |             | PASS       |
| Sample ID                                       |                                           |             |            |
| Tested                                          | 01/09/24                                  |             |            |
| Tester                                          | MHUS                                      |             |            |
| Recorded                                        | 01/09/24                                  |             |            |
| <b>INSTRUMENTS USED DURING PREPARATION</b>      | INSTRUMENT                                |             | M25,T-IV   |
| Sample ID                                       |                                           |             |            |
| Tested                                          | 01/09/24                                  |             |            |
| Tester                                          | MHUS                                      |             |            |
| Recorded                                        | 01/09/24                                  |             |            |
| <b>EXPIRATION DATE</b>                          | MM/DD/YY<br>MM/DD/YYYY                    |             | 01/30/26   |
| Sample ID                                       |                                           |             |            |
| Tested                                          | 01/09/24                                  |             |            |
| Tester                                          | MHUS                                      |             |            |
| Recorded                                        | 01/09/24                                  |             |            |
| <b>SHELF LIFE OF PRODUCT</b>                    | 2 YEARS<br>TIME                           |             | 2 YEARS    |
| Sample ID                                       |                                           |             |            |
| Tested                                          | 01/09/24                                  |             |            |
| Tester                                          | MHUS                                      |             |            |
| Recorded                                        | 01/09/24                                  |             |            |

**Lot #** 4010485

**Made** 01/09/24



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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**