



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

| <b>Packaged Product:</b> 8632                      |                          |                 |          |
|--|--------------------------|-----------------|----------|
| SODIUM HYDROXIDE 0.1 NORMAL IN IPA                 |                          |                 |          |
| Test   | Target/UOM               | Range           | Result   |
| <b>PREPARED TO FORMULATION ON FILE</b>             | YES                      |                 | YES      |
| Sample ID  |                          |                 |          |
| Tested 05/11/22                                    |                          |                 |          |
| Tester CCOA  |                          |                 |          |
| Recorded 05/11/22                                  |                          |                 |          |
| <b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b> | YES                      |                 | YES      |
| Sample ID  |                          |                 |          |
| Tested 05/11/22                                    |                          |                 |          |
| Tester CCOA  |                          |                 |          |
| Recorded 05/11/22                                  |                          |                 |          |
| <b>DATE OF SAMPLING FOR TEST PURPOSES</b>          | MM/DD/YYYY               |                 | 05/11/22 |
| Sample ID  |                          |                 |          |
| Tested 05/11/22                                    |                          |                 |          |
| Tester CCOA  |                          |                 |          |
| Recorded 05/11/22                                  |                          |                 |          |
| <b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>    | 25.0<br>DEG C            | 10.0 - 35.0     | 21.1     |
| Sample ID  |                          |                 |          |
| Tested 05/11/22                                    |                          |                 |          |
| Tester CCOA  |                          |                 |          |
| Recorded 05/11/22                                  |                          |                 |          |
| <b>DATE OF TESTING OF SAMPLE</b>                   | MM/DD/YYYY<br>MM/DD/YYYY |                 | 05/11/22 |
| Sample ID  |                          |                 |          |
| Tested 05/11/22                                    |                          |                 |          |
| Tester CCOA  |                          |                 |          |
| Recorded 05/11/22                                  |                          |                 |          |
| <b>AMBIENT TEST TEMPERATURE DEGC</b>               | 20.0<br>DEG C            | 15.0 - 30.0     | 21.1     |
| Sample ID  |                          |                 |          |
| Tested 05/11/22                                    |                          |                 |          |
| Tester CCOA  |                          |                 |          |
| Recorded 05/11/22                                  |                          |                 |          |
| <b>NORMALITY TO 4 DEC PLACES</b>                   | 0.1000<br>EQUIV/LITER    | 0.0995 - 0.1005 | 0.0997   |
| Sample ID  |                          |                 |          |
| Tested 05/11/22                                    |                          |                 |          |
| Tester CCOA  |                          |                 |          |
| Recorded 05/11/22                                  |                          |                 |          |
| <b>QCSP7: STANDARDIZATION OF AQUEOUS BASES</b>     | YES<br>METHOD            |                 | YES      |
| Sample ID  |                          |                 |          |
| Tested 05/11/22                                    |                          |                 |          |
| Tester CCOA  |                          |                 |          |
| Recorded 05/11/22                                  |                          |                 |          |



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|  |                          |                   |                           |
|--|--------------------------|-------------------|---------------------------|
| <b>N.I.S.T. Traceable to SRM 84</b>        | YES                      |                   | YES                       |
|  | YES                      |                   |                           |
| Sample ID                                  |                          |                   |                           |
| Tested                                     | 05/11/22                 |                   |                           |
| Tester                                     | CCOA                     |                   |                           |
| Recorded                                   | 05/11/22                 |                   |                           |
| <b>APPEARANCE AND COLOR</b>                | CLEAR TO SLIGHTLY TURBID |                   | PASS                      |
|  | LIQUID                   |                   |                           |
|  | APPEARANCE               |                   |                           |
| Sample ID                                  |                          |                   |                           |
| Tested                                     | 05/11/22                 |                   |                           |
| Tester                                     | CCOA                     |                   |                           |
| Recorded                                   | 05/11/22                 |                   |                           |
| <b>INSTRUMENTS USED DURING PREPARATION</b> | INSTRUMENT               |                   | M83,VF5-M5,BID00488,PIDM8 |
|  |                          |                   | 1                         |
| Sample ID                                  |                          |                   |                           |
| Tested                                     | 05/11/22                 |                   |                           |
| Tester                                     | CCOA                     |                   |                           |
| Recorded                                   | 05/11/22                 |                   |                           |
| <b>SHELF LIFE OF PRODUCT</b>               | 1 YEAR                   |                   | 1 YEAR                    |
|  | TIME                     |                   |                           |
| Sample ID                                  |                          |                   |                           |
| Tested                                     | 05/11/22                 |                   |                           |
| Tester                                     | CCOA                     |                   |                           |
| Recorded                                   | 05/11/22                 |                   |                           |
| <b>EXPIRATION DATE</b>                     | MM/DD/YYYY               |                   | 05/30/23                  |
|  | MM/DD/YYYY               |                   |                           |
| Sample ID                                  |                          |                   |                           |
| Tested                                     | 05/11/22                 |                   |                           |
| Tester                                     | CCOA                     |                   |                           |
| Recorded                                   | 05/11/22                 |                   |                           |
| <b>Actual Density</b>                      | 0.78957                  | 0.78858 - 0.79056 | 0.78988                   |
|  | GM/ML                    |                   |                           |
| Sample ID                                  |                          |                   |                           |
| Tested                                     | 05/11/22                 |                   |                           |
| Tester                                     | CCOA                     |                   |                           |
| Recorded                                   | 05/11/22                 |                   |                           |
| <b>Lot #</b>                               | 2050422                  |                   |                           |
| <b>Made</b>                                | 05/11/22                 |                   |                           |

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.



Aqua Solutions, Inc.  
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Unless otherwise agreed to, all chemicals used in the preparation of this product are Reagent ACS grade.

**Quality Manager**