



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

| Packaged Product: 4147 | | | |
|--|-------------------------------------|-----------------|------------|
| HYDROCHLORIC ACID 0.01 NORMAL IN IPA | | | |
| Test | Target/UOM | Range | Result |
| PREPARED TO FORMULATION ON FILE | YES | | YES |
| Sample ID | | | |
| Tested 01/30/24 | | | |
| Tester SHAR | | | |
| Recorded 01/30/24 | | | |
| SAMPLE COLLECTION & HANDLING PER LAB040 | YES | | YES |
| Sample ID | | | |
| Tested 01/30/24 | | | |
| Tester SHAR | | | |
| Recorded 01/30/24 | | | |
| DATE OF SAMPLING FOR TEST PURPOSES | MM/DD/YYYY | | 01/30/2024 |
| Sample ID | MM/DD/YYYY | | |
| Tested 01/30/24 | | | |
| Tester SHAR | | | |
| Recorded 01/30/24 | | | |
| AMBIENT TEMPERATURE DURING SAMPLING DEGC | 25.0 | 10.0 - 35.0 | 21.0 |
| Sample ID | DEG C | | |
| Tested 01/30/24 | | | |
| Tester SHAR | | | |
| Recorded 01/30/24 | | | |
| DATE OF TESTING OF SAMPLE | MM/DD/YYYY | | 01/30/2024 |
| Sample ID | MM/DD/YYYY | | |
| Tested 01/30/24 | | | |
| Tester SHAR | | | |
| Recorded 01/30/24 | | | |
| AMBIENT TEST TEMPERATURE DEG C | 20.0 | 15.0 - 30.0 | 21.0 |
| Sample ID | DEG C | | |
| Tested 01/30/24 | | | |
| Tester SHAR | | | |
| Recorded 01/30/24 | | | |
| APPEARANCE AND COLOR | CLEAR WATER WHITE LIQUID APPEARANCE | | PASS |
| Sample ID | | | |
| Tested 01/30/24 | | | |
| Tester SHAR | | | |
| Recorded 01/30/24 | | | |
| NORMALITY @ 20 DEG C | 0.0100 | 0.0095 - 0.0105 | 0.0102 |
| Sample ID | EQUIV/LITER | | |
| Tested 01/30/24 | | | |
| Tester SHAR | | | |
| Recorded 01/30/24 | | | |



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| | | |
|--|------------------------|-------------|
| QCSP5: STANDARDIZATION OF AQUEOUS ACIDS | YES METHOD | YES |
| Sample ID | | |
| Tested 01/30/24 | | |
| Tester SHAR | | |
| Recorded 01/30/24 | | |
| N.I.S.T. Traceable to SRM 723 THAM | YES YES | YES |
| Sample ID | | |
| Tested 01/30/24 | | |
| Tester SHAR | | |
| Recorded 01/30/24 | | |
| INSTRUMENTS USED DURING PREPARATION | INSTRUMENT | M115,VF2-A7 |
| Sample ID | | |
| Tested 01/30/24 | | |
| Tester SHAR | | |
| Recorded 01/30/24 | | |
| EXPIRATION DATE | MM/DD/YY MM/DD/YYYY | 08/30/24 |
| Sample ID | | |
| Tested 01/30/24 | | |
| Tester SHAR | | |
| Recorded 01/30/24 | | |
| Lot # 4013029 | | |
| Made 01/30/24 | | |

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