



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

| <b>Packaged Product:</b> N3805-2.5L              |                            |       |           |
|--|----------------------------|-------|-----------|
| NITRIC ACID 68-70% REAGENT ACS (2.5L) (NX0409-2) |                            |       |           |
| Test   | Target/UOM                 | Range | Result    |
| <b>APPEARANCE AND COLOR</b>                      | TO PASS TEST<br>APPEARANCE |       | PASS      |
| Sample ID  |                            |       |           |
| Tested   | 06/08/23                   |       |           |
| Tester   | TBUR                       |       |           |
| Recorded   | 06/08/23                   |       |           |
| <b>ASSAY OF MATERIAL</b>                         | 68.0% - 70.0%<br>%         |       | 69.62%    |
| Sample ID  |                            |       |           |
| Tested   | 06/08/23                   |       |           |
| Tester   | TBUR                       |       |           |
| Recorded   | 06/08/23                   |       |           |
| <b>COLOR</b>                                     | MAX 10 APHA<br>PT-CO       |       | <10 APHA  |
| Sample ID  |                            |       |           |
| Tested   | 06/08/23                   |       |           |
| Tester   | TBUR                       |       |           |
| Recorded   | 06/08/23                   |       |           |
| <b>RESIDUE OF IGNITION</b>                       | MAX 5 PPM<br>RESIDUE IG    |       | <5 PPM    |
| Sample ID  |                            |       |           |
| Tested   | 06/08/23                   |       |           |
| Tester   | TBUR                       |       |           |
| Recorded   | 06/08/23                   |       |           |
| <b>CHLORIDE CONTENT</b>                          | MAX 0.5 PPM<br>PPM         |       | <0.5 PPM  |
| Sample ID  |                            |       |           |
| Tested   | 06/08/23                   |       |           |
| Tester   | TBUR                       |       |           |
| Recorded   | 06/08/23                   |       |           |
| <b>PHOSPHATE CONTENT</b>                         | MAX 0.2 PPM<br>PPM         |       | <0.2 PPM  |
| Sample ID  |                            |       |           |
| Tested   | 06/08/23                   |       |           |
| Tester   | TBUR                       |       |           |
| Recorded   | 06/08/23                   |       |           |
| <b>SULFATE (SO4) CONTENT</b>                     | MAX 1 PPM<br>MAX 60 MG/KG  |       | <1 PPM    |
| Sample ID  |                            |       |           |
| Tested   | 06/08/23                   |       |           |
| Tester   | TBUR                       |       |           |
| Recorded   | 06/08/23                   |       |           |
| <b>ALUMINUM (AL) CONTENT</b>                     | MAX 0.2 PPM                |       | 0.005 PPM |
| Sample ID  |                            |       |           |
| Tested   | 06/08/23                   |       |           |
| Tester   | TBUR                       |       |           |
| Recorded   | 06/08/23                   |       |           |



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| <b>ARSENIC CONTENT</b>     | MAX 0.01 PPM<br>ARSENIC | <0.01 PPM |
| Sample ID                  |                         |           |
| Tested                     | 06/08/23                |           |
| Tester                     | TBUR                    |           |
| Recorded                   | 06/08/23                |           |
| <b>CALCIUM CONTENT</b>     | MAX 0.2 PPM<br>PPM      | 0.021 PPM |
| Sample ID                  |                         |           |
| Tested                     | 06/08/23                |           |
| Tester                     | TBUR                    |           |
| Recorded                   | 06/08/23                |           |
| <b>CHROMIUM CONTENT</b>    | MAX 0.1 PPM<br>PPM      | 0.001 PPM |
| Sample ID                  |                         |           |
| Tested                     | 06/08/23                |           |
| Tester                     | TBUR                    |           |
| Recorded                   | 06/08/23                |           |
| <b>COPPER (CU) CONTENT</b> | MAX 0.05 PPM<br>COPPER  | 0.001 PPM |
| Sample ID                  |                         |           |
| Tested                     | 06/08/23                |           |
| Tester                     | TBUR                    |           |
| Recorded                   | 06/08/23                |           |
| <b>GOLD (AU)</b>           | MAX 0.3 PPM<br>GOLD     | 0.001 PPM |
| Sample ID                  |                         |           |
| Tested                     | 06/08/23                |           |
| Tester                     | TBUR                    |           |
| Recorded                   | 06/08/23                |           |
| <b>HEAVY METAL (AS PB)</b> | MAX 0.2 PPM<br>PPM      | <0.2 PPM  |
| Sample ID                  |                         |           |
| Tested                     | 06/08/23                |           |
| Tester                     | TBUR                    |           |
| Recorded                   | 06/08/23                |           |
| <b>IRON</b>                | MAX 0.2 PPM<br>PPM      | 0.010 PPM |
| Sample ID                  |                         |           |
| Tested                     | 06/08/23                |           |
| Tester                     | TBUR                    |           |
| Recorded                   | 06/08/23                |           |
| <b>LEAD (PB) CONTENT</b>   | MAX 0.1 PPM<br>MG/L     | 0.001 PPM |
| Sample ID                  |                         |           |
| Tested                     | 06/08/23                |           |
| Tester                     | TBUR                    |           |
| Recorded                   | 06/08/23                |           |



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| <b>MAGNESIUM (MG) CONTENT</b> | MAX 0.3 PPM<br>PPM     | 0.005 PPM |
| Sample ID                     |                        |           |
| Tested                        | 06/08/23               |           |
| Tester                        | TBUR                   |           |
| Recorded                      | 06/08/23               |           |
| <b>MANGANESE (MN) CONTENT</b> | MAX 0.2 PPM<br>%       | 0.001 PPM |
| Sample ID                     |                        |           |
| Tested                        | 06/08/23               |           |
| Tester                        | TBUR                   |           |
| Recorded                      | 06/08/23               |           |
| <b>MERCURY (HG) CONTENT</b>   | MAX 5 PPB<br>PPM       | <5 PPB    |
| Sample ID                     |                        |           |
| Tested                        | 06/08/23               |           |
| Tester                        | TBUR                   |           |
| Recorded                      | 06/08/23               |           |
| <b>NICKEL (NI) CONTENT</b>    | MAX 0.05 PPM<br>NICKEL | 0.001 PPM |
| Sample ID                     |                        |           |
| Tested                        | 06/08/23               |           |
| Tester                        | TBUR                   |           |
| Recorded                      | 06/08/23               |           |
| <b>SODIUM CONTENT</b>         | MAX 0.5 PPM<br>%       | 0.011 PPM |
| Sample ID                     |                        |           |
| Tested                        | 06/08/23               |           |
| Tester                        | TBUR                   |           |
| Recorded                      | 06/08/23               |           |
| <b>TIN (SN) CONTENT</b>       | MAX 0.3 PPM<br>PPM     | 0.001 PPM |
| Sample ID                     |                        |           |
| Tested                        | 06/08/23               |           |
| Tester                        | TBUR                   |           |
| Recorded                      | 06/08/23               |           |
| <b>TITANIUM (TI) CONTENT</b>  | MAX 0.3 PPM<br>PPM     | 0.001 PPM |
| Sample ID                     |                        |           |
| Tested                        | 06/08/23               |           |
| Tester                        | TBUR                   |           |
| Recorded                      | 06/08/23               |           |
| <b>ZINC (ZN) CONTENT</b>      | MAX 0.3 PPM<br>PPM     | 0.001 PPM |
| Sample ID                     |                        |           |
| Tested                        | 06/08/23               |           |
| Tester                        | TBUR                   |           |
| Recorded                      | 06/08/23               |           |

**Lot #** 315717

**Made** 06/06/23



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Date: 06/08/23 at 9:26 AM

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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**