

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

| <b>Packaged Product:</b> N3810-2.5L                              |                        |       |          |
|------------------------------------------------------------------|------------------------|-------|----------|
| NITRIC ACID 67-70.0% TRACE METAL (2.5L) (NX0407-4) (POLY BOTTLE) |                        |       |          |
| Test                                                             | Target/UOM             | Range | Result   |
| <b>ASSAY OF MATERIAL</b>                                         | 67% - 70%<br>%         |       | 68%      |
| Sample ID                                                        |                        |       |          |
| Tested 02/14/25                                                  |                        |       |          |
| Tester TBUR                                                      |                        |       |          |
| Recorded 02/14/25                                                |                        |       |          |
| <b>COLOR</b>                                                     | MAX 10 APHA<br>PT-CO   |       | <7       |
| Sample ID                                                        |                        |       |          |
| Tested 02/14/25                                                  |                        |       |          |
| Tester TBUR                                                      |                        |       |          |
| Recorded 02/14/25                                                |                        |       |          |
| <b>ALUMINUM (AL) CONTENT</b>                                     | MAX 1 PPB<br>PPM       |       | <0.1 PPB |
| Sample ID                                                        |                        |       |          |
| Tested 02/14/25                                                  |                        |       |          |
| Tester TBUR                                                      |                        |       |          |
| Recorded 02/14/25                                                |                        |       |          |
| <b>ANTIMONY (SB)</b>                                             | MAX 0.1 PPB<br>ANTIMON |       | <0.1 PPB |
| Sample ID                                                        |                        |       |          |
| Tested 02/14/25                                                  |                        |       |          |
| Tester TBUR                                                      |                        |       |          |
| Recorded 02/14/25                                                |                        |       |          |
| <b>ARSENIC CONTENT</b>                                           | MAX 0.1 PPB<br>PPM     |       | <0.1 PPB |
| Sample ID                                                        |                        |       |          |
| Tested 02/14/25                                                  |                        |       |          |
| Tester TBUR                                                      |                        |       |          |
| Recorded 02/14/25                                                |                        |       |          |
| <b>BARIUM</b>                                                    | MAX 0.1 PPB<br>BARIUM  |       | <0.1 PPB |
| Sample ID                                                        |                        |       |          |
| Tested 02/14/25                                                  |                        |       |          |
| Tester TBUR                                                      |                        |       |          |
| Recorded 02/14/25                                                |                        |       |          |
| <b>BERYLIUM</b>                                                  | MAX 0.1 PPB<br>BE      |       | <0.1 PPB |
| Sample ID                                                        |                        |       |          |
| Tested 02/14/25                                                  |                        |       |          |
| Tester TBUR                                                      |                        |       |          |
| Recorded 02/14/25                                                |                        |       |          |
| <b>BISMUTH</b>                                                   | MAX 0.1 PPB<br>BISMUTH |       | <0.1 PPB |
| Sample ID                                                        |                        |       |          |
| Tested 02/14/25                                                  |                        |       |          |
| Tester TBUR                                                      |                        |       |          |
| Recorded 02/14/25                                                |                        |       |          |

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|----------------------------|-------------|----------|
| <b>BORON (B)</b>           | MAX 1 PPB   | <0.5 PPB |
|                            | BORON       |          |
| Sample ID                  |             |          |
| Tested 02/14/25            |             |          |
| Tester TBUR                |             |          |
| Recorded 02/14/25          |             |          |
| <b>CADMIUM (CD)</b>        | MAX 0.1 PPB | <0.1 PPB |
|                            | CADMIUM     |          |
| Sample ID                  |             |          |
| Tested 02/14/25            |             |          |
| Tester TBUR                |             |          |
| Recorded 02/14/25          |             |          |
| <b>CALCIUM CONTENT</b>     | MAX 0.5 PPB | <0.1 PPB |
|                            | PPM         |          |
| Sample ID                  |             |          |
| Tested 02/14/25            |             |          |
| Tester TBUR                |             |          |
| Recorded 02/14/25          |             |          |
| <b>CHROMIUM CONTENT</b>    | MAX 1 PPB   | <0.1 PPB |
|                            | PPM         |          |
| Sample ID                  |             |          |
| Tested 02/14/25            |             |          |
| Tester TBUR                |             |          |
| Recorded 02/14/25          |             |          |
| <b>COBALT (CO) CONTENT</b> | MAX 0.1 PPB | <0.1 PPB |
|                            | COBALT      |          |
| Sample ID                  |             |          |
| Tested 02/14/25            |             |          |
| Tester TBUR                |             |          |
| Recorded 02/14/25          |             |          |
| <b>COPPER (CU) CONTENT</b> | MAX 0.1 PPB | <0.1 PPB |
|                            | PPM         |          |
| Sample ID                  |             |          |
| Tested 02/14/25            |             |          |
| Tester TBUR                |             |          |
| Recorded 02/14/25          |             |          |
| <b>IRON</b>                | MAX 1 PPB   | <0.5 PPB |
|                            | PPM         |          |
| Sample ID                  |             |          |
| Tested 02/14/25            |             |          |
| Tester TBUR                |             |          |
| Recorded 02/14/25          |             |          |
| <b>LEAD (PB) CONTENT</b>   | MAX 0.1 PPB | <0.1 PPB |
|                            | MG/L        |          |
| Sample ID                  |             |          |
| Tested 02/14/25            |             |          |
| Tester TBUR                |             |          |
| Recorded 02/14/25          |             |          |

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|-------------------------------|--------------------|-----------|
| <b>LITHIUM (LI)</b>           | MAX 0.1 PPB<br>PPM | <0.1 PPB  |
| Sample ID                     |                    |           |
| Tested 02/14/25               |                    |           |
| Tester TBUR                   |                    |           |
| Recorded 02/14/25             |                    |           |
| <b>MAGNESIUM (MG) CONTENT</b> | MAX 1 PPB<br>PPM   | <0.1 PPB  |
| Sample ID                     |                    |           |
| Tested 02/14/25               |                    |           |
| Tester TBUR                   |                    |           |
| Recorded 02/14/25             |                    |           |
| <b>MANGANESE (MN) CONTENT</b> | MAX 0.2 PPB<br>%   | <0.1 PPB  |
| Sample ID                     |                    |           |
| Tested 02/14/25               |                    |           |
| Tester TBUR                   |                    |           |
| Recorded 02/14/25             |                    |           |
| <b>MERCURY (HG) CONTENT</b>   | MAX 0.2 PPM<br>PPM | <0.02 PPB |
| Sample ID                     |                    |           |
| Tested 02/14/25               |                    |           |
| Tester TBUR                   |                    |           |
| Recorded 02/14/25             |                    |           |
| <b>MOLYBDENUM</b>             | MAX 0.1 PPB<br>PPM | <0.1 PPB  |
| Sample ID                     |                    |           |
| Tested 02/14/25               |                    |           |
| Tester TBUR                   |                    |           |
| Recorded 02/14/25             |                    |           |
| <b>NICKEL (NI) CONTENT</b>    | MAX 0.5 PPB<br>PPM | <0.1 PPB  |
| Sample ID                     |                    |           |
| Tested 02/14/25               |                    |           |
| Tester TBUR                   |                    |           |
| Recorded 02/14/25             |                    |           |
| <b>POTASSIUM CONTENT</b>      | MAX 0.2 PPB<br>PPM | <0.1 PPB  |
| Sample ID                     |                    |           |
| Tested 02/14/25               |                    |           |
| Tester TBUR                   |                    |           |
| Recorded 02/14/25             |                    |           |
| <b>SELENIUM ( AS SE)</b>      | MAX 0.1 PPB<br>PPM | <0.1 PPB  |
| Sample ID                     |                    |           |
| Tested 02/14/25               |                    |           |
| Tester TBUR                   |                    |           |
| Recorded 02/14/25             |                    |           |

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|------------------------------|------------------------|----------|
| <b>SILVER (AG)</b>           | MAX 0.1 PPB<br>PPM     | <0.1 PPB |
| Sample ID                    |                        |          |
| Tested                       | 02/14/25               |          |
| Tester                       | TBUR                   |          |
| Recorded                     | 02/14/25               |          |
| <b>SODIUM CONTENT</b>        | MAX 0.2 PPB<br>%       | <0.1 PPB |
| Sample ID                    |                        |          |
| Tested                       | 02/14/25               |          |
| Tester                       | TBUR                   |          |
| Recorded                     | 02/14/25               |          |
| <b>STRONTIUM CONTENT</b>     | MAX 0.1 PPB<br>%       | <0.1 PPB |
| Sample ID                    |                        |          |
| Tested                       | 02/14/25               |          |
| Tester                       | TBUR                   |          |
| Recorded                     | 02/14/25               |          |
| <b>THORIUM</b>               | MAX 0.1 PPB<br>PPM     | <0.1 PPB |
| Sample ID                    |                        |          |
| Tested                       | 02/14/25               |          |
| Tester                       | TBUR                   |          |
| Recorded                     | 02/14/25               |          |
| <b>TIN (SN) CONTENT</b>      | MAX 0.1 PPB<br>PPM     | <0.1 PPB |
| Sample ID                    |                        |          |
| Tested                       | 02/14/25               |          |
| Tester                       | TBUR                   |          |
| Recorded                     | 02/14/25               |          |
| <b>TITANIUM (TI) CONTENT</b> | MAX 0.1 PPB<br>PPM     | <0.1 PPB |
| Sample ID                    |                        |          |
| Tested                       | 02/14/25               |          |
| Tester                       | TBUR                   |          |
| Recorded                     | 02/14/25               |          |
| <b>URANIUM</b>               | MAX 0.1 PPB<br>URANIUM | <0.1 PPB |
| Sample ID                    |                        |          |
| Tested                       | 02/14/25               |          |
| Tester                       | TBUR                   |          |
| Recorded                     | 02/14/25               |          |
| <b>VANADIUM</b>              | MAX 0.1 PPB<br>PPM     | <0.1 PPB |
| Sample ID                    |                        |          |
| Tested                       | 02/14/25               |          |
| Tester                       | TBUR                   |          |
| Recorded                     | 02/14/25               |          |

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**ZINC (ZN) CONTENT**

MAX 0.2 PPB  
PPM

<0.1 PPB

Sample ID  
Tested 02/14/25  
Tester TBUR  
Recorded 02/14/25

**ZIRCONIUM**

MAX 0.1 PPB  
PPM

<0.1 PPB

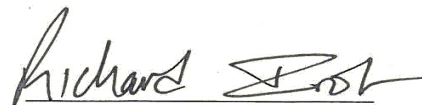
Sample ID  
Tested 02/14/25  
Tester TBUR  
Recorded 02/14/25

**Lot #** 504311  
**Made** 02/12/25

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**