



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

| <b>Packaged Product:</b> VUL437F               |                                 |                   |              |
|--|---------------------------------|-------------------|--------------|
| WORKING FERROUS AMMONIUM SULFATE SOLUTION      |                                 |                   |              |
| Test   | Target/UOM                      | Range             | Result       |
| <b>PREPARED TO FORMULATION ON</b>              | YES                             |                   | YES          |
| <b>FILE</b>                                    | YES                             |                   |              |
| Sample ID                                      |                                 |                   |              |
| Tested 04/25/24                                |                                 |                   |              |
| Tester MMAT                                    |                                 |                   |              |
| Recorded 04/25/24                              |                                 |                   |              |
| <b>CALCULATED GPL FERROUS AMMONIUM SULFATE</b> | 0.4000<br>GPL                   | 0.3995 - 0.4005   | 0.4000       |
| Sample ID                                      |                                 |                   |              |
| Tested 04/25/24                                |                                 |                   |              |
| Tester MMAT                                    |                                 |                   |              |
| Recorded 04/25/24                              |                                 |                   |              |
| <b>Actual Density</b>                          | 1.05806<br>GM/ML                | 1.05396 - 1.06216 | 1.05920      |
| Sample ID                                      |                                 |                   |              |
| Tested 04/25/24                                |                                 |                   |              |
| Tester MMAT                                    |                                 |                   |              |
| Recorded 04/25/24                              |                                 |                   |              |
| <b>APPEARANCE AND COLOR</b>                    | PALE GREEN LIQUID<br>APPEARANCE |                   | PASS         |
| Sample ID                                      |                                 |                   |              |
| Tested 04/25/24                                |                                 |                   |              |
| Tester MMAT                                    |                                 |                   |              |
| Recorded 04/25/24                              |                                 |                   |              |
| <b>INSTRUMENTS USED DURING PREPARATION</b>     | INSTRUMENT                      |                   | M108,VF4-N12 |
| Sample ID                                      |                                 |                   |              |
| Tested 04/25/24                                |                                 |                   |              |
| Tester MMAT                                    |                                 |                   |              |
| Recorded 04/25/24                              |                                 |                   |              |
| <b>EXPIRATION DATE</b>                         | MM/DD/YY<br>MM/DD/YYYY          |                   | 05/29/24     |
| Sample ID                                      |                                 |                   |              |
| Tested 04/25/24                                |                                 |                   |              |
| Tester MMAT                                    |                                 |                   |              |
| Recorded 04/25/24                              |                                 |                   |              |
| <b>SHELF LIFE OF PRODUCT</b>                   | 5 WEEKS<br>TIME                 |                   | 5 WEEKS      |
| Sample ID                                      |                                 |                   |              |
| Tested 04/25/24                                |                                 |                   |              |
| Tester MMAT                                    |                                 |                   |              |
| Recorded 04/25/24                              |                                 |                   |              |
| <b>Lot #</b>                                   | 4042244                         |                   |              |
| <b>Made</b>                                    | 04/25/24                        |                   |              |



Aqua Solutions, Inc.  
Ph: 281-479-2569  
Fax: 281-479-2790  
P.O. Box 70  
Deer Park, TX 77536  
Website: [www.aquasolutions.org](http://www.aquasolutions.org)

Page: 2

Date: 04/25/24 at 6:03 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**