



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)

**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 10/18/21			
Tester MMAT			
Recorded 10/18/21			
<b>CALCULATED GPL FERROUS AMMONIUM SULFATE</b>	0.4000 GPL	0.3995 - 0.4005	0.3999
Sample ID			
Tested 10/18/21			
Tester MMAT			
Recorded 10/18/21			
<b>Actual Density</b>	1.05806 GM/ML	1.05396 - 1.06216	1.05862
Sample ID			
Tested 10/18/21			
Tester MMAT			
Recorded 10/18/21			
<b>APPEARANCE AND COLOR</b>	PALE GREEN LIQUID APPEARANCE		PASS
Sample ID			
Tested 10/18/21			
Tester MMAT			
Recorded 10/18/21			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M21,VF4-I6,M55
Sample ID			
Tested 10/18/21			
Tester MMAT			
Recorded 10/18/21			
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY		11/22/21
Sample ID			
Tested 10/18/21			
Tester MMAT			
Recorded 10/18/21			
<b>SHELF LIFE OF PRODUCT</b>	5 WEEKS TIME		5 WEEKS
Sample ID			
Tested 10/18/21			
Tester MMAT			
Recorded 10/18/21			
<b>Lot #</b>	1101856		
<b>Made</b>	10/18/21		



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Date: 10/18/21 at 7:51 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**