



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

Packaged Product: VUL437F			
WORKING FERROUS AMMONIUM SULFATE SOLUTION			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
Sample ID			
Tested 11/27/23			
Tester MMAT			
Recorded 11/27/23			
CALCULATED GPL FERROUS AMMONIUM SULFATE	0.4000 GPL	0.3995 - 0.4005	0.4000
Sample ID			
Tested 11/27/23			
Tester MMAT			
Recorded 11/27/23			
Actual Density	1.05806 GM/ML	1.05396 - 1.06216	1.05828
Sample ID			
Tested 11/27/23			
Tester MMAT			
Recorded 11/27/23			
APPEARANCE AND COLOR	PALE GREEN LIQUID APPEARANCE		PASS
Sample ID			
Tested 11/27/23			
Tester MMAT			
Recorded 11/27/23			
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		M115,GC,VF4-N22
Sample ID			
Tested 11/27/23			
Tester MMAT			
Recorded 11/27/23			
EXPIRATION DATE	MM/DD/YY MM/DD/YYYY		01/01/24
Sample ID			
Tested 11/27/23			
Tester MMAT			
Recorded 11/27/23			
SHELF LIFE OF PRODUCT	5 WEEKS TIME		5 WEEKS
Sample ID			
Tested 11/27/23			
Tester MMAT			
Recorded 11/27/23			
Lot #	3112741		
Made	11/27/23		



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Date: 11/27/23 at 3:51 PM

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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