



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		YES
Sample ID			
Tested 08/28/23			
Tester MMAT			
Recorded 08/28/23			
CALCULATED GPL FERROUS AMMONIUM SULFATE	0.4000 GPL	0.3995 - 0.4005	0.4000
Sample ID			
Tested 08/28/23			
Tester MMAT			
Recorded 08/28/23			
Actual Density	1.05806 GM/ML	1.05396 - 1.06216	1.05868
Sample ID			
Tested 08/28/23			
Tester MMAT			
Recorded 08/28/23			
APPEARANCE AND COLOR	PALE GREEN LIQUID APPEARANCE		PASS
Sample ID			
Tested 08/28/23			
Tester MMAT			
Recorded 08/28/23			
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		M115,GC,VF4-N24,M55
Sample ID			
Tested 08/28/23			
Tester MMAT			
Recorded 08/28/23			
EXPIRATION DATE	MM/DD/YY MM/DD/YYYY		10/02/2023
Sample ID			
Tested 08/28/23			
Tester MMAT			
Recorded 08/28/23			
SHELF LIFE OF PRODUCT	5 WEEKS TIME		5 WEEKS
Sample ID			
Tested 08/28/23			
Tester MMAT			
Recorded 08/28/23			
Lot #	3082828		
Made	08/28/23		



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

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Date: 08/28/23 at 2:56 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