



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

Packaged Product: VUL449F			
Ammonium Chloride 1% w/v Solution			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON	YES		YES
FILE	YES		
Sample ID			
Tested 07/16/24			
Tester MMAT			
Recorded 07/16/24			
W/V% AMMONIUM CHLORIDE	1.000	0.997 - 1.003	1.000
	W/V%		
Sample ID			
Tested 07/16/24			
Tester MMAT			
Recorded 07/16/24			
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 07/16/24			
Tester MMAT			
Recorded 07/16/24			
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		M100,VF4-I5
Sample ID			
Tested 07/16/24			
Tester MMAT			
Recorded 07/16/24			
Actual Density	1.00154	1.00073 - 1.00235	1.00142
	GM/ML		
Sample ID			
Tested 07/16/24			
Tester MMAT			
Recorded 07/16/24			
EXPIRATION DATE	MM/DD/YYYY		07/30/2025
	MM/DD/YYYY		
Sample ID			
Tested 07/16/24			
Tester MMAT			
Recorded 07/16/24			
Lot #	4070896		
Made	07/16/24		



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Deer Park, TX 77536
Website: www.aquasolutions.org

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Date: 07/16/24 at 7:19 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