



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

Packaged Product: 4350			
HYDROCHLORIC ACID 1.0 NORMAL N.I.S.T. TRACEABLE			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
Sample ID			
Tested 04/29/22			
Tester DTRA			
Recorded 04/29/22			
SAMPLE COLLECTION & HANDLING PER LAB040	YES		YES
Sample ID			
Tested 04/29/22			
Tester DTRA			
Recorded 04/29/22			
Actual Normality	1.0000 EQ/L	0.9995 - 1.0005	0.9998
Sample ID			
Tested 04/29/22			
Tester DTRA			
Recorded 04/29/22			
QCSP5: STANDARDIZATION OF AQUEOUS ACIDS	YES METHOD		YES
Sample ID			
Tested 04/29/22			
Tester DTRA			
Recorded 04/29/22			
Actual Density	1.01599 GM/ML	1.01513 - 1.01684	1.01593
Sample ID			
Tested 04/29/22			
Tester DTRA			
Recorded 04/29/22			
N.I.S.T. Traceable to SRM 723	YES YES		YES
Sample ID			
Tested 04/29/22			
Tester DTRA			
Recorded 04/29/22			
CERTIFIED TOTAL ORGANIC CARBON (PPM)	1.0 PPM	0.0 - 3.0	1.5
Sample ID			
Tested 04/29/22			
Tester DTRA			
Recorded 04/29/22			
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 04/29/22			
Tester DTRA			
Recorded 04/29/22			



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COLOR	<10	<10
	PT-CO	
Sample ID		
Tested	04/29/22	
Tester	DTRA	
Recorded	04/29/22	
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	T-72,EF6-CH,T-1000,M55,M81
Sample ID		
Tested	04/29/22	
Tester	DTRA	
Recorded	04/29/22	
SHELF LIFE OF PRODUCT	2 YEARS	2 YEARS
	TIME	
Sample ID		
Tested	04/29/22	
Tester	DTRA	
Recorded	04/29/22	
EXPIRATION DATE	MM/DD/YY	04/30/24
	MM/DD/YYYY	
Sample ID		
Tested	04/29/22	
Tester	DTRA	
Recorded	04/29/22	
Lot #	2042539	
Made	04/29/22	

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