



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

Packaged Product: 4133			
HYDROCHLORIC ACID 0.1 NORMAL IN METHANOL			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
Sample ID	YES		
Tested 05/17/24			
Tester AFRE			
Recorded 05/17/24			
SAMPLE COLLECTION & HANDLING PER LAB040	YES		YES
Sample ID	YES		
Tested 05/17/24			
Tester AFRE			
Recorded 05/17/24			
DATE OF SAMPLING FOR TEST PURPOSES	MM/DD/YYYY		05/17/2024
Sample ID	MM/DD/YYYY		
Tested 05/17/24			
Tester AFRE			
Recorded 05/17/24			
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0	10.0 - 35.0	20.0
Sample ID	DEG C		
Tested 05/17/24			
Tester AFRE			
Recorded 05/17/24			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		05/17/2024
Sample ID	MM/DD/YYYY		
Tested 05/17/24			
Tester AFRE			
Recorded 05/17/24			
AMBIENT TEST TEMPERATURE DEG C	20.0	15.0 - 30.0	20.0
Sample ID	DEG C		
Tested 05/17/24			
Tester AFRE			
Recorded 05/17/24			
Actual Normality	0.1000	0.0991 - 0.1009	0.0997
Sample ID	EQ/L		
Tested 05/17/24			
Tester AFRE			
Recorded 05/17/24			
QCSP5: STANDARDIZATION OF AQUEOUS ACIDS	YES		YES
Sample ID	METHOD		
Tested 05/17/24			
Tester AFRE			
Recorded 05/17/24			



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N.I.S.T. Traceable to SRM 723 THAM	YES YES	YES
Sample ID		
Tested	05/17/24	
Tester	AFRE	
Recorded	05/17/24	
Actual Density	0.79722 GM/ML	0.79596 - 0.79848 0.79697
Sample ID		
Tested	05/17/24	
Tester	AFRE	
Recorded	05/17/24	
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE	PASS
Sample ID		
Tested	05/17/24	
Tester	AFRE	
Recorded	05/17/24	
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	M103,VF12-2,M55,BID00488
Sample ID		
Tested	05/17/24	
Tester	AFRE	
Recorded	05/17/24	
EXPIRATION DATE	MM/DD/YYYY MM/DD/YYYY	08/30/2024
Sample ID		
Tested	05/17/24	
Tester	AFRE	
Recorded	05/17/24	
Lot #	4051607	
Made	05/17/24	

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