



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

Packaged Product: 4108			
HYDROCHLORIC ACID 0.03 NORMAL AQUEOUS			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON	YES		YES
FILE	YES		
Sample ID			
Tested 07/18/24			
Tester AFRE			
Recorded 07/18/24			
SAMPLE COLLECTION & HANDLING	YES		YES
PER LAB040	YES		
Sample ID			
Tested 07/18/24			
Tester AFRE			
Recorded 07/18/24			
DATE OF SAMPLING FOR TEST	MM/DD/YYYY		07/18/2024
PURPOSES	MM/DD/YYYY		
Sample ID			
Tested 07/18/24			
Tester AFRE			
Recorded 07/18/24			
AMBIENT TEMPERATURE DURING	25.0	10.0 - 35.0	20.0
SAMPLING DEGC	DEG C		
Sample ID			
Tested 07/18/24			
Tester AFRE			
Recorded 07/18/24			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		07/18/2024
	MM/DD/YYYY		
Sample ID			
Tested 07/18/24			
Tester AFRE			
Recorded 07/18/24			
AMBIENT TEST TEMPERATURE	20.0	15.0 - 30.0	20.0
DEG C	DEG C		
Sample ID			
Tested 07/18/24			
Tester AFRE			
Recorded 07/18/24			
NORMALITY TO 4 DEC PLACES	0.0300	0.0297 - 0.0303	0.0301
	EQUIV/LITER		
Sample ID			
Tested 07/18/24			
Tester AFRE			
Recorded 07/18/24			
Actual Density	0.99881	0.99866 - 0.99896	0.99881
	GM/ML		
Sample ID			
Tested 07/18/24			
Tester AFRE			
Recorded 07/18/24			



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QCSP5: STANDARDIZATION OF AQUEOUS ACIDS	YES METHOD	YES
Sample ID		
Tested 07/18/24		
Tester AFRE		
Recorded 07/18/24		
N.I.S.T. Traceable to SRM 723	YES YES	YES
Sample ID		
Tested 07/18/24		
Tester AFRE		
Recorded 07/18/24		
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE	PASS
Sample ID		
Tested 07/18/24		
Tester AFRE		
Recorded 07/18/24		
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	GC,VF4-N17,M55,BID03282,PI DM91
Sample ID		
Tested 07/18/24		
Tester AFRE		
Recorded 07/18/24		
Lot # 40717161		
Made 07/18/24		

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