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

Customer PO # :

Packaged Product: 4112
HYDROCHLORIC ACID 0.02 NORMAL IN METHANOL

Test	Target/UOM	Range	Result
Actual Normality	0.0200	0.0195 - 0.0205	0.0200
	EQ/L		
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
SAMPLE COLLECTION & HANDLING	YES		YES
PER LAB040	YES		
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
DATE OF SAMPLING FOR TEST	MM/DD/YYYY		10/17/2023
PURPOSES	MM/DD/YYYY		
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
AMBIENT TEMPERATURE DURING	25.0	10.0 - 35.0	21.0
SAMPLING DEGC	DEG C		
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		10/17/2023
	MM/DD/YYYY		
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
AMBIENT TEST TEMPERATURE	20.0	10.0 - 30.0	21.0
DEG C	DEG C		
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
QCSP5: STANDARDIZATION OF	YES		YES
AQUEOUS ACIDS	METHOD		
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
N.I.S.T. Traceable to SRM 723	Yes		YES
	YES		
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		

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Customer PO # :

PREPARED TO FORMULATION ON FILE	YES YES		YES
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		M81,VF2-B37,M55,M91,BID000 92,TID41
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
EXPIRATION DATE	MM/DD/YY MM/DD/YYYY		01/30/24
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
SHELF LIFE OF PRODUCT	3 MONTHS TIME		3 MONTHS
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		
Actual Density	0.79274 GM/ML	0.79215 - 0.79334	0.79238
Sample ID			
Tested	10/17/23		
Tester	RIRO		
Recorded	10/17/23		

Lot # 3101248
Made 10/17/23

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.

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Unless otherwise agreed to, all chemicals used in the preparation of this product are Reagent ACS grade.

Quality Manager