



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

Packaged Product: 4110			
Hydrochloric Acid 0.02 Normal NIST Traceable Solution			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
Sample ID			
Tested 07/31/24			
Tester RIRO			
Recorded 07/31/24			
SAMPLE COLLECTION & HANDLING PER LAB040	YES		YES
Sample ID			
Tested 07/31/24			
Tester RIRO			
Recorded 07/31/24			
DATE OF SAMPLING FOR TEST PURPOSES	MM/DD/YYYY		07/31/2024
Sample ID			
Tested 07/31/24			
Tester RIRO			
Recorded 07/31/24			
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0	10.0 - 35.0	25.0
Sample ID			
Tested 07/31/24			
Tester RIRO			
Recorded 07/31/24			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		07/31/2024
Sample ID			
Tested 07/31/24			
Tester RIRO			
Recorded 07/31/24			
AMBIENT TEST TEMPERATURE DEGC	20.0	15.0 - 30.0	19.0
Sample ID			
Tested 07/31/24			
Tester RIRO			
Recorded 07/31/24			
Actual Density	0.99864	0.99822 - 0.99906	0.99858
	GM/ML		
Sample ID			
Tested 07/31/24			
Tester RIRO			
Recorded 07/31/24			
Actual Normality	0.0200	0.0195 - 0.0205	0.0198
	EQ/L		
Sample ID			
Tested 07/31/24			
Tester RIRO			
Recorded 07/31/24			



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

QCSP5: STANDARDIZATION OF AQUEOUS ACIDS	YES METHOD	YES
Sample ID		
Tested 07/31/24		
Tester RIRO		
Recorded 07/31/24		
N.I.S.T. Traceable to SRM 723 THAM	YES YES	YES
Sample ID		
Tested 07/31/24		
Tester RIRO		
Recorded 07/31/24		
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE	PASS
Sample ID		
Tested 07/31/24		
Tester RIRO		
Recorded 07/31/24		
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	GC,T56,M55
Sample ID		
Tested 07/31/24		
Tester RIRO		
Recorded 07/31/24		
EXPIRATION DATE	MM/DD/YY MM/DD/YYYY	07/30/25
Sample ID		
Tested 07/31/24		
Tester RIRO		
Recorded 07/31/24		
SHELF LIFE OF PRODUCT	1 YEAR TIME	1 YEAR
Sample ID		
Tested 07/31/24		
Tester RIRO		
Recorded 07/31/24		
Lot #	4072448	
Made	07/31/24	

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.



Aqua Solutions, Inc.
Ph: 281-479-2569
Fax: 281-479-2790
P.O. Box 70
Deer Park, TX 77536
Website: www.aquasolutions.org

Page: 3

Date: 07/31/24 at 2:40 PM

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

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

Quality Manager