



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

Packaged Product: SPE194F			
HYDROCHLORIC ACID 0.01 NORMAL IN IPA			
Test	Target/UOM	Range	Result
SAMPLE COLLECTION & HANDLING	YES		YES
PER LAB040	YES		
Sample ID			
Tested 07/02/24			
Tester BPHI			
Recorded 07/02/24			
DATE OF SAMPLING FOR TEST	MM/DD/YYYY		07/02/2024
PURPOSES	MM/DD/YYYY		
Sample ID			
Tested 07/02/24			
Tester BPHI			
Recorded 07/02/24			
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0 DEG C	10.0 - 35.0	21.0
Sample ID			
Tested 07/02/24			
Tester BPHI			
Recorded 07/02/24			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY MM/DD/YYYY		07/02/2024
Sample ID			
Tested 07/02/24			
Tester BPHI			
Recorded 07/02/24			
AMBIENT TEST TEMPERATURE DEGC	20.0 DEG C	15.0 - 30.0	21.0
Sample ID			
Tested 07/02/24			
Tester BPHI			
Recorded 07/02/24			
Actual Normality	0.0100 EQ/L	0.0095 - 0.0105	0.0099
Sample ID			
Tested 07/02/24			
Tester BPHI			
Recorded 07/02/24			
N.I.S.T. Traceable to SRM 723 THAM	YES YES		YES
Sample ID			
Tested 07/02/24			
Tester BPHI			
Recorded 07/02/24			
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 07/02/24			
Tester BPHI			
Recorded 07/02/24			



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INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	GC,VF4-H7
Sample ID		
Tested 07/02/24		
Tester BPHI		
Recorded 07/02/24		
QCSP5: STANDARDIZATION OF AQUEOUS ACIDS	YES METHOD	YES
Sample ID		
Tested 07/02/24		
Tester BPHI		
Recorded 07/02/24		
Actual Density	0.78587 GM/ML	0.78544 - 0.78629 0.78608
Sample ID		
Tested 07/02/24		
Tester BPHI		
Recorded 07/02/24		
EXPIRATION DATE	MM/DD/YYYY MM/DD/YYYY	01/30/2025
Sample ID		
Tested 07/02/24		
Tester BPHI		
Recorded 07/02/24		
Lot # 4062859		
Made 07/02/24		

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