



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 12/12/23			
Tester MHUS			
Recorded 12/12/23			
DATE OF SAMPLING FOR TEST	MM/DD/YYYY		12/12/23
PURPOSES	MM/DD/YYYY		
Sample ID			
Tested 12/12/23			
Tester MHUS			
Recorded 12/12/23			
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0 DEG C	10.0 - 35.0	22.0
Sample ID			
Tested 12/12/23			
Tester MHUS			
Recorded 12/12/23			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY MM/DD/YYYY		12/12/23
Sample ID			
Tested 12/12/23			
Tester MHUS			
Recorded 12/12/23			
AMBIENT TEST TEMPERATURE DEGC	20.0 DEG C	15.0 - 30.0	22.0
Sample ID			
Tested 12/12/23			
Tester MHUS			
Recorded 12/12/23			
Actual Normality	0.0100 EQ/L	0.0095 - 0.0105	0.0103
Sample ID			
Tested 12/12/23			
Tester MHUS			
Recorded 12/12/23			
N.I.S.T. Traceable to SRM 723 THAM	YES YES		YES
Sample ID			
Tested 12/12/23			
Tester MHUS			
Recorded 12/12/23			
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 12/12/23			
Tester MHUS			
Recorded 12/12/23			



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INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	GC,VF4-N32
Sample ID		
Tested 12/12/23		
Tester MHUS		
Recorded 12/12/23		
QCSP5: STANDARDIZATION OF AQUEOUS ACIDS	YES METHOD	YES
Sample ID		
Tested 12/12/23		
Tester MHUS		
Recorded 12/12/23		
Lot # 3120659		
Made 12/12/23		

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.

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



Quality Manager