



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

<b>Packaged Product:</b> M-038F HYDROCHLORIC ACID 0.5 NORMAL, 030293 (AUTO-TITRATED)			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 05/31/23			
Tester MHUS			
Recorded 05/31/23			
<b>Actual Normality</b>	0.5000 EQ/L	0.4995 - 0.5005	0.4998
Sample ID			
Tested 05/31/23			
Tester MHUS			
Recorded 05/31/23			
<b>N.I.S.T. Traceable to SRM 723 THAM</b>	YES YES		YES
Sample ID			
Tested 05/31/23			
Tester MHUS			
Recorded 05/31/23			
<b>STANDARDIZED ON</b>	Y	Y/N	Y
<b>AUTO-TITRATOR</b>	YES		
Sample ID			
Tested 05/31/23			
Tester MHUS			
Recorded 05/31/23			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 05/31/23			
Tester MHUS			
Recorded 05/31/23			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		GC,T-21,M55,BIDAT-20ML,PID M91
Sample ID			
Tested 05/31/23			
Tester MHUS			
Recorded 05/31/23			
<b>Lot #</b>	3052547		
<b>Made</b>	05/31/23		



Aqua Solutions, Inc.  
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Date: 05/31/23 at 11:38 AM

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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**