

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

<b>Packaged Product:</b> ERL099F			
HYDROCHLORIC ACID 0.01 NORMAL (SODIUM CARBONATE STD)			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 09/06/23			
Tester MHUS			
Recorded 09/06/23			
<b>SAMPLE COLLECTION &amp; HANDLING</b>	YES		YES
<b>PER LAB040</b>	YES		
Sample ID			
Tested 09/06/23			
Tester MHUS			
Recorded 09/06/23			
<b>DATE OF SAMPLING FOR TEST</b>	MM/DD/YYYY		09/06/2023
<b>PURPOSES</b>	MM/DD/YYYY		
Sample ID			
Tested 09/06/23			
Tester MHUS			
Recorded 09/06/23			
<b>AMBIENT TEMPERATURE DURING</b>	25.0	10.0 - 35.0	22.4
<b>SAMPLING DEGC</b>	DEG C		
Sample ID			
Tested 09/06/23			
Tester MHUS			
Recorded 09/06/23			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		09/06/2023
	MM/DD/YYYY		
Sample ID			
Tested 09/06/23			
Tester MHUS			
Recorded 09/06/23			
<b>AMBIENT TEST TEMPERATURE</b>	20.0	15.0 - 30.0	22.4
<b>DEG C</b>	DEG C		
Sample ID			
Tested 09/06/23			
Tester MHUS			
Recorded 09/06/23			
<b>Actual Normality</b>	0.0100	0.0095 - 0.0105	0.0100
	EQ/L		
Sample ID			
Tested 09/06/23			
Tester MHUS			
Recorded 09/06/23			
<b>Actual Density</b>	0.99843	0.99836 - 0.99851	0.99842
	GM/ML		
Sample ID			
Tested 09/06/23			
Tester MHUS			
Recorded 09/06/23			

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<b>APPEARANCE AND COLOR</b>		CLEAR LIQUID APPEARANCE	PASS
Sample ID			
Tested	09/06/23		
Tester	MHUS		
Recorded	09/06/23		
<b>INSTRUMENTS USED DURING PREPARATION</b>		INSTRUMENT	M55,M91,BID04099,TID41123
Sample ID			
Tested	09/06/23		
Tester	MHUS		
Recorded	09/06/23		
<b>EXPIRATION DATE</b>		MM/DD/YYYY MM/DD/YYYY	12/30/2023
Sample ID			
Tested	09/06/23		
Tester	MHUS		
Recorded	09/06/23		
<b>Lot #</b>	3082109		
<b>Made</b>	09/06/23		

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**