



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

Test	Target/UOM	Range	Result
<b>Packaged Product:</b> SPE979F			
	HYDROCHLORIC ACID 0.2576 NORMAL SOLUTION		
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID			
Tested 04/23/24			
Tester JENC			
Recorded 04/23/24			
<b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>	YES		YES
Sample ID			
Tested 04/23/24			
Tester JENC			
Recorded 04/23/24			
<b>DATE OF SAMPLING FOR TEST PURPOSES</b>	MM/DD/YYYY		04/23/2024
Sample ID			
Tested 04/23/24			
Tester JENC			
Recorded 04/23/24			
<b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>	25.0 DEG C	10.0 - 35.0	21.1
Sample ID			
Tested 04/23/24			
Tester JENC			
Recorded 04/23/24			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY MM/DD/YYYY		04/23/2024
Sample ID			
Tested 04/23/24			
Tester JENC			
Recorded 04/23/24			
<b>AMBIENT TEST TEMPERATURE DEG C</b>	20.0 DEG C	15.0 - 30.0	21.1
Sample ID			
Tested 04/23/24			
Tester JENC			
Recorded 04/23/24			
<b>NORMALITY TO 4 DEC PLACES</b>	0.2576 EQUIV/LITER	0.2572 - 0.2580	0.2573
Sample ID			
Tested 04/23/24			
Tester JENC			
Recorded 04/23/24			
<b>QCSP5: STANDARDIZATION OF AQUEOUS ACIDS</b>	YES METHOD		YES
Sample ID			
Tested 04/23/24			
Tester JENC			
Recorded 04/23/24			



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

<b>N.I.S.T. Traceable to SRM 723 THAM</b>	YES YES	YES
Sample ID		
Tested	04/23/24	
Tester	JENC	
Recorded	04/23/24	
<b>Actual Density</b>	1.00290 GM/ML	1.00260 - 1.00320 1.00292
Sample ID		
Tested	04/23/24	
Tester	JENC	
Recorded	04/23/24	
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID APPEARANCE	PASS
Sample ID		
Tested	04/23/24	
Tester	JENC	
Recorded	04/23/24	
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	VF1-Z13,GC,T-293
Sample ID		
Tested	04/23/24	
Tester	JENC	
Recorded	04/23/24	
<b>EXPIRATION DATE</b>	MM/DD/YYYY MM/DD/YYYY	10/30/2025
Sample ID		
Tested	04/23/24	
Tester	JENC	
Recorded	04/23/24	
<b>Lot #</b>	4042288	
<b>Made</b>	04/23/24	

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**