



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

<b>Packaged Product:</b> 4132			
HYDROCHLORIC ACID 0.2 NORMAL IN IPA			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID	YES		
Tested 07/07/23			
Tester BPHI			
Recorded 07/07/23			
<b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>	YES		YES
Sample ID	YES		
Tested 07/07/23			
Tester BPHI			
Recorded 07/07/23			
<b>DATE OF SAMPLING FOR TEST PURPOSES</b>	MM/DD/YYYY		07/07/23
Sample ID	MM/DD/YYYY		
Tested 07/07/23			
Tester BPHI			
Recorded 07/07/23			
<b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>	25.0	10.0 - 35.0	21.6
Sample ID	DEG C		
Tested 07/07/23			
Tester BPHI			
Recorded 07/07/23			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		07/07/23
Sample ID	MM/DD/YYYY		
Tested 07/07/23			
Tester BPHI			
Recorded 07/07/23			
<b>AMBIENT TEST TEMPERATURE DEGC</b>	20.0	15.0 - 30.0	21.6
Sample ID	DEG C		
Tested 07/07/23			
Tester BPHI			
Recorded 07/07/23			
<b>N.I.S.T. Traceable to SRM 84 (KHP)</b>	YES		YES
Sample ID	YES		
Tested 07/07/23			
Tester BPHI			
Recorded 07/07/23			
<b>Actual Normality</b>	0.2000	0.1991 - 0.2009	0.1996
Sample ID	EQ/L		
Tested 07/07/23			
Tester BPHI			
Recorded 07/07/23			



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<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE APPEARANCE	PASS
Sample ID		
Tested	07/07/23	
Tester	BPHI	
Recorded	07/07/23	
<b>INSTRUMENTS USED DURING PREPARATION</b>	LAB EQUIPMENT USED INSTRUMENT	M112,VF3-J14
Sample ID		
Tested	07/07/23	
Tester	BPHI	
Recorded	07/07/23	
<b>Actual Density</b>	0.79591 GM/ML	0.79476 - 0.79706 0.79568
Sample ID		
Tested	07/07/23	
Tester	BPHI	
Recorded	07/07/23	
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY	01/30/24
Sample ID		
Tested	07/07/23	
Tester	BPHI	
Recorded	07/07/23	
<b>Lot #</b>	3070656	
<b>Made</b>	07/07/23	

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**