



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

<b>Packaged Product:</b> 4422			
HYDROCHLORIC ACID 5.0 W/W SOLUTION			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID			
Tested 11/09/23			
Tester RIRO			
Recorded 11/09/23			
<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE LIQUID APPEARANCE		PASS
Sample ID			
Tested 11/09/23			
Tester RIRO			
Recorded 11/09/23			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M87,M112,EF4-TEX
Sample ID			
Tested 11/09/23			
Tester RIRO			
Recorded 11/09/23			
<b>WT% HYDROCHLORIC ACID (W/W)</b>	5.00 W/W%	4.90 - 5.10	4.95
Sample ID			
Tested 11/09/23			
Tester RIRO			
Recorded 11/09/23			
<b>QCSP22:DETERMINATION WEIGHT% ACID&amp;BASES</b>	YES QCSP22		YES
Sample ID			
Tested 11/09/23			
Tester RIRO			
Recorded 11/09/23			
<b>Actual Density</b>	1.02270 GM/ML	1.02201 - 1.02339	1.02243
Sample ID			
Tested 11/09/23			
Tester RIRO			
Recorded 11/09/23			
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY		11/30/28
Sample ID			
Tested 11/09/23			
Tester RIRO			
Recorded 11/09/23			
<b>Lot #</b>	3110975		
<b>Made</b>	11/09/23		



Aqua Solutions, Inc.  
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Deer Park, TX 77536  
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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**