



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

<b>Packaged Product:</b> 4352			
HYDROCHLORIC ACID 1.0 NORMAL (BCG/MR/CO3)			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID	YES		
Tested 08/21/23			
Tester MHUS			
Recorded 08/21/23			
<b>NORMALITY TO 4 DEC PLACES</b>	1.0000	0.9991 - 1.0009	0.9994
	EQUIV/LITER		
Sample ID			
Tested 08/21/23			
Tester MHUS			
Recorded 08/21/23			
<b>QCSP61A:STANDARDIZATION</b>	YES		YES
<b>ACIDS USING SODI</b>	QCSP61A		
Sample ID			
Tested 08/21/23			
Tester MHUS			
Recorded 08/21/23			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 08/21/23			
Tester MHUS			
Recorded 08/21/23			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		GC,T-220,M55,BID3902,PIDM9 1
Sample ID			
Tested 08/21/23			
Tester MHUS			
Recorded 08/21/23			
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY		08/30/25
Sample ID			
Tested 08/21/23			
Tester MHUS			
Recorded 08/21/23			
<b>SHELF LIFE OF PRODUCT</b>	2 YEARS TIME		2 YEARS
Sample ID			
Tested 08/21/23			
Tester MHUS			
Recorded 08/21/23			
<b>Actual Density</b>	1.01584	1.01496 - 1.01672	1.01571
	GM/ML		
Sample ID			
Tested 08/21/23			
Tester MHUS			
Recorded 08/21/23			



Aqua Solutions, Inc.  
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**Customer PO # :**

<b>Lot #</b>	3081501
<b>Made</b>	08/21/23

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**