

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

Packaged Product: 4358			
HYDROCHLORIC ACID 3.0 NORMAL (MOLAR)			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON	YES		YES
FILE	YES		
Sample ID			
Tested 06/20/23			
Tester MHUS			
Recorded 06/20/23			
SAMPLE COLLECTION & HANDLING	YES		YES
PER LAB040	YES		
Sample ID			
Tested 06/20/23			
Tester MHUS			
Recorded 06/20/23			
DATE OF SAMPLING FOR TEST	MM/DD/YYYY		06/20/23
PURPOSES	MM/DD/YYYY		
Sample ID			
Tested 06/20/23			
Tester MHUS			
Recorded 06/20/23			
AMBIENT TEMPERATURE DURING	25.0	10.0 - 35.0	35.4
SAMPLING DEGC	DEG C		
Sample ID			
Tested 06/20/23			
Tester MHUS			
Recorded 06/20/23			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		06/20/23
	MM/DD/YYYY		
Sample ID			
Tested 06/20/23			
Tester MHUS			
Recorded 06/20/23			
AMBIENT TEST TEMPERATURE	20.0	15.0 - 30.0	23.5
DEG C	DEG C		
Sample ID			
Tested 06/20/23			
Tester MHUS			
Recorded 06/20/23			
Actual Normality	3.0000	2.9950 - 3.0050	3.0012
	EQ/L		
Sample ID			
Tested 06/20/23			
Tester MHUS			
Recorded 06/20/23			
QCSP5: STANDARDIZATION OF	YES		YES
AQUEOUS ACIDS	METHOD		
Sample ID			
Tested 06/20/23			
Tester MHUS			
Recorded 06/20/23			

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N.I.S.T. Traceable to SRM 723 THAM	YES YES	YES
Sample ID		
Tested 06/20/23		
Tester MHUS		
Recorded 06/20/23		
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE	PASS
Sample ID		
Tested 06/20/23		
Tester MHUS		
Recorded 06/20/23		
Actual Density	1.04939 GM/ML	1.04915 - 1.04963 1.04951
Sample ID		
Tested 06/20/23		
Tester MHUS		
Recorded 06/20/23		
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	T56,M91,BID3902,TID41123
Sample ID		
Tested 06/20/23		
Tester MHUS		
Recorded 06/20/23		
EXPIRATION DATE	MM/DD/YY MM/DD/YYYY	06/30/25
Sample ID		
Tested 06/20/23		
Tester MHUS		
Recorded 06/20/23		
Lot #	3061522	
Made	06/20/23	

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