

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

Packaged Product: 4132 HYDROCHLORIC ACID 0.2 NORMAL IN IPA			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON	YES		YES
FILE	YES		
Sample ID			
Tested 05/24/23			
Tester MHUS			
Recorded 05/24/23			
SAMPLE COLLECTION & HANDLING	YES		YES
PER LAB040	YES		
Sample ID			
Tested 05/24/23			
Tester MHUS			
Recorded 05/24/23			
DATE OF SAMPLING FOR TEST	MM/DD/YYYY		05/24/23
PURPOSES	MM/DD/YYYY		
Sample ID			
Tested 05/24/23			
Tester MHUS			
Recorded 05/24/23			
AMBIENT TEMPERATURE DURING	25.0	10.0 - 35.0	21.4
SAMPLING DEGC	DEG C		
Sample ID			
Tested 05/24/23			
Tester MHUS			
Recorded 05/24/23			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		05/24/23
	MM/DD/YYYY		
Sample ID			
Tested 05/24/23			
Tester MHUS			
Recorded 05/24/23			
AMBIENT TEST TEMPERATURE	20.0	15.0 - 30.0	21.4
DEG C	DEG C		
Sample ID			
Tested 05/24/23			
Tester MHUS			
Recorded 05/24/23			
N.I.S.T. Traceable to SRM 84 (KHP)	YES		YES
	YES		
Sample ID			
Tested 05/24/23			
Tester MHUS			
Recorded 05/24/23			
Actual Normality	0.2000	0.1991 - 0.2009	0.2004
	EQ/L		
Sample ID			
Tested 05/24/23			
Tester MHUS			
Recorded 05/24/23			

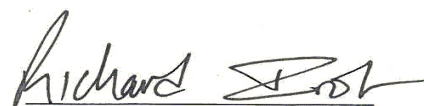
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APPEARANCE AND COLOR		CLEAR WATER WHITE APPEARANCE	PASS
Sample ID			
Tested	05/24/23		
Tester	MHUS		
Recorded	05/24/23		
INSTRUMENTS USED DURING PREPARATION		LAB EQUIPMENT USED INSTRUMENT	M103,VF4-N22,M55,BID04099, PIDP47
Sample ID			
Tested	05/24/23		
Tester	MHUS		
Recorded	05/24/23		
Actual Density		0.79591 GM/ML	0.79476 - 0.79706 0.79609
Sample ID			
Tested	05/24/23		
Tester	MHUS		
Recorded	05/24/23		
EXPIRATION DATE		MM/DD/YY MM/DD/YYYY	11/30/23
Sample ID			
Tested	05/24/23		
Tester	MHUS		
Recorded	05/24/23		
Lot #		3052365	
Made		05/24/23	

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