



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

Packaged Product: 4420			
HYDROCHLORIC ACID 50% V/V / 6 NORMAL			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
Sample ID			
Tested 06/15/23			
Tester CCOA			
Recorded 06/15/23			
SAMPLE COLLECTION & HANDLING PER LAB040	YES		YES
Sample ID			
Tested 06/15/23			
Tester CCOA			
Recorded 06/15/23			
DATE OF SAMPLING FOR TEST PURPOSES	MM/DD/YYYY		06/15/23
Sample ID			
Tested 06/15/23			
Tester CCOA			
Recorded 06/15/23			
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0	10.0 - 35.0	27.0
Sample ID			
Tested 06/15/23			
Tester CCOA			
Recorded 06/15/23			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		06/15/23
Sample ID			
Tested 06/15/23			
Tester CCOA			
Recorded 06/15/23			
Actual Normality	6.0000	5.9500 - 6.0500	5.9964
	EQ/L		
Sample ID			
Tested 06/15/23			
Tester CCOA			
Recorded 06/15/23			
APHA COLOR	5	0 - 10	9
	COLOR UNITS		
Sample ID			
Tested 06/15/23			
Tester CCOA			
Recorded 06/15/23			
APPEARANCE AND COLOR	CLEAR WATER WHITE		PASS
	LIQUID		
	APPEARANCE		
Sample ID			
Tested 06/15/23			
Tester CCOA			
Recorded 06/15/23			



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INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	T43,M55
Sample ID		
Tested 06/15/23		
Tester CCOA		
Recorded 06/15/23		
EXPIRATION DATE	MM/DD/YY	06/30/26
	MM/DD/YYYY	
Sample ID		
Tested 06/15/23		
Tester CCOA		
Recorded 06/15/23		
COLOR	PT-CO	PASS
Sample ID		
Tested 06/15/23		
Tester CCOA		
Recorded 06/15/23		
Actual Density	1.09741 GM/ML	1.09621 - 1.09862 1.09715
Sample ID		
Tested 06/15/23		
Tester CCOA		
Recorded 06/15/23		
SHELF LIFE OF PRODUCT	3 YEARS TIME	3 YEARS
Sample ID		
Tested 06/15/23		
Tester CCOA		
Recorded 06/15/23		
Lot #	3061302	
Made	06/15/23	

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