



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

Test	Target/UOM	Range	Result
Packaged Product: 4358			
	HYDROCHLORIC ACID 3.0 NORMAL (MOLAR)		
PREPARED TO FORMULATION ON	YES		YES
FILE	YES		
Sample ID			
Tested 07/28/20			
Tester HSID			
Recorded 07/28/20			
SAMPLE COLLECTION & HANDLING	YES		YES
PER LAB040	YES		
Sample ID			
Tested 07/28/20			
Tester HSID			
Recorded 07/28/20			
DATE OF SAMPLING FOR TEST	MM/DD/YYYY		07/28/2020
PURPOSES	MM/DD/YYYY		
Sample ID			
Tested 07/28/20			
Tester HSID			
Recorded 07/28/20			
AMBIENT TEMPERATURE DURING	25.0	10.0 - 35.0	21.1
SAMPLING DEGC	DEG C		
Sample ID			
Tested 07/28/20			
Tester HSID			
Recorded 07/28/20			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		07/28/2020
	MM/DD/YYYY		
Sample ID			
Tested 07/28/20			
Tester HSID			
Recorded 07/28/20			
AMBIENT TEST TEMPERATURE	20.0	15.0 - 30.0	21.1
DEG C	DEG C		
Sample ID			
Tested 07/28/20			
Tester HSID			
Recorded 07/28/20			
Actual Normality	3.0000	2.9950 - 3.0050	3.0033
	EQ/L		
Sample ID			
Tested 07/28/20			
Tester HSID			
Recorded 07/28/20			
QCSP5: STANDARDIZATION OF	YES		YES
AQUEOUS ACIDS	METHOD		
Sample ID			
Tested 07/28/20			
Tester HSID			
Recorded 07/28/20			



Aqua Solutions, Inc.
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 Deer Park, TX 77536
 Website: www.aquasolutions.org

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N.I.S.T. Traceable to SRM 723	YES	YES
	YES	
Sample ID		
Tested	07/28/20	
Tester	HSID	
Recorded	07/28/20	
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE	PASS
Sample ID		
Tested	07/28/20	
Tester	HSID	
Recorded	07/28/20	
Actual Density	1.04939 GM/ML	1.04915 - 1.04963 1.04944
Sample ID		
Tested	07/28/20	
Tester	HSID	
Recorded	07/28/20	
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	M55,M26,T12,BID02185,THIDS 31610
Sample ID		
Tested	07/28/20	
Tester	HSID	
Recorded	07/28/20	
EXPIRATION DATE	MM/DD/YY MM/DD/YYYY	07/30/22
Sample ID		
Tested	07/28/20	
Tester	HSID	
Recorded	07/28/20	
Lot #	0072748	
Made	07/28/20	

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