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Date: 09/18/23 at 7:11 AM

Aqua Solutions, Inc. 6913 Highway 225 Deer Park, TX, 77536 281/479-2569

Certificate of Analysis / QC Results

Customer PO #:

Packaged Product: 419	90				
. aonagoa i roaaoti	HYDROCHLORIC ACID 0.5 NORMAL NIST TRACEABLE SOLUTION				
Test	Target/UOM	Range	Result		
PREPARED TO FORMULATION		<u> </u>	YES		
FILE	YES				
Sample ID					
Tested 09/18/2	3				
Tester MHUS					
Recorded 09/18/2	3				
Actual Normality	0.5000	0.4995 - 0.5005	0.5000		
	EQ/L				
Sample ID	23/2				
Tested 09/18/2	3				
Tester MHUS	S				
	3				
Recorded 09/18/2			VEC		
QCSP5: STANDARDIZATION OF			YES		
AQUEOUS ACIDS	METHOD				
Sample ID					
Tested 09/18/2	3				
Tester MHUS					
Recorded 09/18/2					
I.I.S.T. Traceable to SRM 723 T			YES		
	YES				
Sample ID					
Tested 09/18/2	3				
Tester MHUS					
Recorded 09/18/2	3				
AMPLE COLLECTION & HAND	LING YES		YES		
ER LAB040	YES				
Sample ID					
Tested 09/18/2	3				
Tester MHUS	3				
Recorded 09/18/2	3				
DATE OF SAMPLING FOR TEST			09/15/2023		
PURPOSES	MM/DD/YYYY		03/13/2023		
	IVIIVI/DD/1111				
Sample ID	0				
Tested 09/18/2	3				
Tester MHUS	0				
Recorded 09/18/2		40.0 05.0	07.0		
AMBIENT TEMPERATURE DUR		10.0 - 35.0	27.0		
SAMPLING DEGC	DEG C				
Sample ID					
Tested 09/18/2	3				
Tester MHUS					
Recorded 09/18/2					
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		09/15/2023		
	MM/DD/YYYY				
Sample ID					
Tested 09/18/2	3				
Tester MHUS					
Recorded 09/18/2	3				

09/18/23

Made

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Customer PO #:

AMBIENT TEST TEMPE	RATURE	20.0	15.0 - 30.0	22.0
DEG C		DEG C		
Sample ID				
Tested	09/18/23			
Tester	MHUS			
Recorded	09/18/23			
APPEARANCE AND COLOR		CLEAR LIQUID		PASS
		APPEARANCE		
Sample ID				
Tested	09/18/23			
Tester	MHUS			
Recorded	09/18/23			
INSTRUMENTS USED I	DURING	INSTRUMENT		T192,T532,GC,TIV,M55,M91,BI
PREPARATION				D3902,T
Sample ID				
Tested	09/18/23			
Tester	MHUS			
Recorded	09/18/23			
EXPIRATION DATE		MM/DD/YY		09/30/25
		MM/DD/YYYY		
Sample ID				
Tested	09/18/23			
Tester	MHUS			
Recorded	09/18/23			
SHELF LIFE OF PRODU	JCT	2 YEARS		2 YEARS
		TIME		
Sample ID				
Tested	09/18/23			
Tester	MHUS			
Recorded	09/18/23			
Lot # 30912	225			

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