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Date: 09/04/24 at 9:55 AM

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

Certificate of Analysis / QC Results

Customer PO #:

Packaged Product: 4190 HYDROCHLORIC ACID 0.5 NORMAL (MOLAR) NIST TRACEABLE SOLUTION Test Target/UOM Range Result Actual Normality 0.5000 0.4995 - 0.5005 0.4997 Sample ID Tested 09/04/24 Tested 09/04/24 <th co<="" th=""><th colspan="5">Customer PO #:</th></th>	<th colspan="5">Customer PO #:</th>	Customer PO #:				
Test Target/UOM Range Result Actual Normality 0.5000 0.4995 - 0.5005 0.4997 Sample ID Tested 09/04/24 Tester DTRA Recorded 09/04/24 Recorded 09/04/24 Tester DTRA Recorded 09/04/24 Recorded 09/04/24 Tester DTRA Recorded 09/						
Actual Normality 0.5000 EQ/L Sample ID Tested 09/04/24 Tester DTRA Recorded 09/04/24 QCSP5: STANDARDIZATION OF AQUEOUS ACIDS Sample ID Tested 09/04/24 Tester DTRA Recorded 09/04/24 Tester DTRA METHOD						
Actual Normality 0.5000 EQ/L Sample ID Tested 09/04/24 Tester DTRA Recorded 09/04/24 QCSP5: STANDARDIZATION OF AQUEOUS ACIDS Sample ID Tested 09/04/24 Tester DTRA Recorded 09/04/24 Tester DTRA METHOD	t					
Sample ID Tested 09/04/24 Tester DTRA Recorded 09/04/24 QCSP5: STANDARDIZATION OF YES YES AQUEOUS ACIDS METHOD Sample ID Tested 09/04/24 Tester DTRA						
Tested 09/04/24 Tester DTRA Recorded 09/04/24 QCSP5: STANDARDIZATION OF YES YES AQUEOUS ACIDS METHOD Sample ID Tested 09/04/24 Tester DTRA						
Tester DTRA Recorded 09/04/24 QCSP5: STANDARDIZATION OF YES YES AQUEOUS ACIDS METHOD Sample ID Tested 09/04/24 Tester DTRA						
Recorded 09/04/24 QCSP5: STANDARDIZATION OF YES YES AQUEOUS ACIDS METHOD Sample ID Tested 09/04/24 Tester DTRA						
QCSP5: STANDARDIZATION OF YES YES AQUEOUS ACIDS METHOD Sample ID Tested 09/04/24 Tester DTRA						
AQUEOUS ACIDS METHOD Sample ID Tested 09/04/24 Tester DTRA						
Sample ID Tested 09/04/24 Tester DTRA						
Tested 09/04/24 Tester DTRA						
Tester DTRA						
Recorded 09/04/24						
N.I.S.T. Traceable to SRM 723 THAM YES YES						
YES						
Sample ID						
Tested 09/04/24						
Tester DTRA						
Recorded 09/04/24						
PREPARED TO FORMULATION ON YES YES						
FILE YES						
Sample ID						
Tested 09/04/24						
Tester DTRA						
Recorded 09/04/24						
SAMPLE COLLECTION & HANDLING YES YES						
PER LAB040 YES						
Sample ID						
Tested 09/04/24						
Tester DTRA						
Recorded 09/04/24						
DATE OF SAMPLING FOR TEST MM/DD/YYYY 09/03/2024	4					
PURPOSES MM/DD/YYYY						
Sample ID						
Tested 09/04/24						
Tester DTRA						
Recorded 09/04/24						
AMBIENT TEMPERATURE DURING 25.0 10.0 - 35.0 18.0						
SAMPLING DEGC DEG C						
Sample ID						
Tested 09/04/24						
Tester DTRA						
Recorded 09/04/24						
DATE OF TESTING OF SAMPLE MM/DD/YYYY 09/03/2024	4					
MM/DD/YYYY						
Sample ID						
Tested 09/04/24						
Tester DTRA						
Recorded 09/04/24						



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Customer PO #:

AMBIENT TEST TEMPERATURE DEG C	20.0 DEG C	15.0 - 30.0	18.0
	DEG C		
Sample ID			
Tested 09/04/24			
Tester DTRA			
Recorded 09/04/24			
APPEARANCE AND COLOR	CLEAR LIQUID		PASS
	APPEARANCE		
Sample ID			
Tested 09/04/24			
Tester DTRA			
Recorded 09/04/24			
INSTRUMENTS USED DURING	INSTRUMENT		T-146,VF6-W9,VF5-E3,T-V,BID
PREPARATION			-00787,
Sample ID			
Tested 09/04/24			
Tester DTRA			
Recorded 09/04/24			
EXPIRATION DATE	MM/DD/YY		09/30/26
	MM/DD/YYYY		
Sample ID			
Tested 09/04/24			
Tester DTRA			
Recorded 09/04/24			
Actual Density	1.00721	1.00710 - 1.00732	1.00721
notaal Bollony	GM/ML		
Sample ID	GIV/IVIE		
Tested 09/04/24			
Tester DTRA			
Recorded 09/04/24			
SHELF LIFE OF PRODUCT	2 YEARS		2 YEARS
SHEEF EIFE OF PRODUCT	TIME		Z TEARO
Sample ID	TIVIL		
Tested 09/04/24 Tester DTRA			
Recorded 09/04/24			
Lot # 4082811			
Made 09/04/24			

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.

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Unless otherwise agreed to, all chemicals used in the preparation of this product are Reagent ACS grade.

Quality Manager