

Sample ID Tested

Tester

01/15/25

**JRIO** 

Recorded 01/15/25

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

### Customer PO # ·

Customer PO #:						
Packaged	Product:	4355				
		HYDROCHL	ORIC ACID 2.0 NORMAL			
Test			Target/UOM	Range	Result	
PREPARED 1	TO FORMULA	ATION ON	YES		YES	
FILE			YES			
:	Sample ID					
		01/15/25				
		JRIO				
	Recorded (	01/15/25				
SAMPLE CO	LLECTION &	HANDLING	YES		YES	
PER LAB040			YES			
	Sample ID					
		01/15/25				
		JRIO				
		01/15/25				
DATE OF SA			MM/DD/YYYY		01/15/2025	
PURPOSES		0 .	MM/DD/YYYY		0 1/ 10/2020	
	Sample ID					
		01/15/25				
		JRIO				
		01/15/25				
AMBIENT TE			25.0	10.0 - 35.0	20.0	
SAMPLING D		_ DOMING	DEG C	10.0 - 00.0	20.0	
			DEG G			
	Sample ID Tested	04/45/05				
		01/15/25				
		JRIO				
		01/15/25	MM/DD/WW/		01/15/2025	
DATE OF TES	STING OF SA	AMPLE	MM/DD/YYYY		01/15/2025	
			MM/DD/YYYY			
	Sample ID					
		01/15/25				
		JRIO				
		01/15/25				
AMBIENT TE	ST TEMPER	ATURE	20.0	15.0 - 30.0	20.0	
DEG C			DEG C			
	Sample ID					
		01/15/25				
		JRIO				
		01/15/25				
Actual Normality			2.0000 EQ/L	1.9990 - 2.0010	1.9994	
	Sample ID		LWL			
	•	04/45/05				
		01/15/25				
		JRIO				
QCSP5: STA		01/15/25 ON OF	YES		YES	
		ON OF			YES	
AQUEOUS ACIDS			METHOD			



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

N.I.S.T. Trac	eable to SRM 7	23 TH AM			
N.I.S.T. Traceable to SRM 723 THAM		YES		YES	
			YES		
	Sample ID				
		/15/25			
	Tester JR				
		/15/25			
	TOTAL ORGANI	IC	1.0	0.0 - 4.0	2.2
CARBON (P			PPM		
	Sample ID				
		/15/25			
	Tester JR				
		/15/25			
APPEARANG	APPEARANCE AND COLOR		CLEAR LIQUID		PASS
			APPEARANCE		
	Sample ID				
		/15/25			
	Tester JR	IO			
	Recorded 01/	/15/25			
	ITS USED DURI	NG	INSTRUMENT		M113,T166,M55
PREPARATI					
	Sample ID				
		/15/25			
	Tester JR				
		/15/25			
Actual Color	Actual Color, APHA		10	0 - 10	4
			COLOR		
	Sample ID				
	Tested 01/	/15/25			
	Tester JR				
		/15/25			
Prepared wi	th 36.5-38% AC	S HCL	YES		YES
			YES		
	Sample ID				
	Tested 01/	/15/25			
	Tester JR	IO			
	Recorded 01/	/15/25			
IDENTITY			PASS		PASS
			PASS		
	Sample ID				
		/15/25			
	Tester JR				
		/15/25			
EXPIRATION DATE		MM/DD/YY		01/30/27	
			MM/DD/YYYY		
	Sample ID				
	Tested 01/	/15/25			l
	Tester JR	IO			
	Recorded 01/	/15/25			

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

Customer PO # :
Customer PO #:

SHELF LIFE OF PRODUCT		SHELF LIFE TIME		2 YEARS
Sample	e ID			
Tested	01/15/25			
Tester	JRIO			
Record	ed 01/15/25			
Actual Density		1.03294	1.03243 - 1.03345	1.03290
		G/ML		
Sample	e ID			
Tested				
Tester	JRIO			
Record	ed 01/15/25			
SPECIFIC GRAVITY		1.035	1.030 - 1.040	1.035
		SPEC GRAV		
Sample	e ID			
Tested				
Tester	JRIO			
Record	ed 01/15/25			
Assay w/v HCL		7.29	6.12 - 7.48	7.29
		W/V%		
Sample	e ID			
Tested				
Tester	JRIO			
Record	ed 01/15/25			
Lot # 50	10214			
	/15/25			

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**