

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

Packaged Product: 4090			
HYDROCHLORIC ACID 0.01 NORMAL			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON	YES		YES
FILE	YES		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
SAMPLE COLLECTION & HANDLING	YES		YES
PER LAB040	YES		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
DATE OF SAMPLING FOR TEST	MM/DD/YYYY		03/01/2025
PURPOSES	MM/DD/YYYY		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
AMBIENT TEMPERATURE DURING	25.0	10.0 - 35.0	19.0
SAMPLING DEGC	DEG C		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		03/01/2025
	MM/DD/YYYY		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
AMBIENT TEST TEMPERATURE	20.0	15.0 - 30.0	19.0
DEG C	DEG C		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
Actual Normality	0.0100	0.0095 - 0.0105	0.0102
	EQ/L		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
+/- Measurement Uncertainty	0.0001	= 0.0001	0.0001
	EQ/L		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			

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**QCSP5: STANDARDIZATION OF
AQUEOUS ACIDS**

YES
METHOD

YES

Sample ID
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 Tester DTRA
 Recorded 03/01/25

N.I.S.T. Traceable to SRM 723 THAM

YES
YES

YES

Sample ID
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 Tester DTRA
 Recorded 03/01/25

APPEARANCE AND COLOR

CLEAR LIQUID
APPEARANCE

PASS

Sample ID
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 Recorded 03/01/25

Actual Density

0.99842
G/ML

0.99832 - 0.99852

0.99850

Sample ID
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**INSTRUMENTS USED DURING
PREPARATION**

INSTRUMENT

M55,M120,T24,M81,BID02271

Sample ID
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 Tester DTRA
 Recorded 03/01/25

EXPIRATION DATE

MM/DD/YY
MM/DD/YYYY

03/30/26

Sample ID
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 Tester DTRA
 Recorded 03/01/25

SHELF LIFE OF PRODUCT

1 YEAR
TIME

1 YEAR

Lot # 5021903

Made 03/01/25



Aqua Solutions, Inc.
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Fax: 281-479-2790
P.O. Box 70
Deer Park, TX 77536
Website: www.aquasolutions.org

Page: 3

Date: 03/01/25 at 8:29 AM

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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