



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

Packaged Product: ALC011F HYDROCHLORIC ACID 0.533 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	0.5330	0.5322 - 0.5338	0.5328
	EQ/L		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
Additions, Deviations or Exclusions	NONE		NONE
	CHARACTER		
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			

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QCSP5: STANDARDIZATION OF AQUEOUS ACIDS		YES	YES
METHOD			
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
N.I.S.T. Traceable to SRM 723 THAM		YES	YES
YES			
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
APPEARANCE AND COLOR		CLEAR WATER WHITE	PASS
APPEARANCE			
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
INSTRUMENTS USED DURING PREPARATION		LAB EQUIPMENT USED	GC,T19
INSTRUMENT			
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
Actual Density		1.00782	1.00763 - 1.00801
		G/ML	1.00790
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
EXPIRATION DATE		MM/DD/YYYY	03/30/2027
		MM/DD/YYYY	
Sample ID			
Tested 03/01/25			
Tester DTRA			
Recorded 03/01/25			
Lot #		5022177	
Made		03/01/25	

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.



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

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Date: 03/01/25 at 2:24 PM

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

Quality Manager