



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

<b>Packaged Product:</b> 0040			
ACETIC ACID 1.0 NORMAL			
Test	Target/UOM	Range	Result
<b>FORMULA</b>	CH3COOH		CH3COOH
	FORMULA		
Sample ID			
Tested	11/07/23		
Tester	AFRE		
Recorded	11/07/23		
<b>MOLECULAR WEIGHT</b>	60	= 60	60
	MOL. WT.		
Sample ID			
Tested	11/07/23		
Tester	AFRE		
Recorded	11/07/23		
<b>EXPIRATION DATE</b>	MM/DD/YY		11/30/24
	MM/DD/YYYY		
Sample ID			
Tested	11/07/23		
Tester	AFRE		
Recorded	11/07/23		
<b>ANIMAL OR NON-ANIMAL ORIGIN</b>	NON-ANIMAL		NON-ANIMAL
	ORIGIN		
Sample ID			
Tested	11/07/23		
Tester	AFRE		
Recorded	11/07/23		
<b>SHELF LIFE OF PRODUCT</b>	SHELF LIFE		1 YEAR
	TIME		
Sample ID			
Tested	11/07/23		
Tester	AFRE		
Recorded	11/07/23		
<b>Actual Normality</b>	1.0000	0.9991 - 1.0009	1.0000
	EQ/L		
Sample ID			
Tested	11/07/23		
Tester	AFRE		
Recorded	11/07/23		
<b>QCSP37:STANDARDIZATION</b>	YES		YES
<b>ACETIC ACID SOLN</b>	QCSP37		
Sample ID			
Tested	11/07/23		
Tester	AFRE		
Recorded	11/07/23		
<b>N.I.S.T. Traceable to SRM 84</b>	Yes		YES
	YES		
Sample ID			
Tested	11/07/23		
Tester	AFRE		
Recorded	11/07/23		



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<b>PREPARED TO FORMULATION ON FILE</b>	YES YES	YES
Sample ID		
Tested	11/07/23	
Tester	AFRE	
Recorded	11/07/23	
<b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>	YES YES	YES
Sample ID		
Tested	11/07/23	
Tester	AFRE	
Recorded	11/07/23	
<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE LIQUID APPEARANCE	PASS
Sample ID		
Tested	11/07/23	
Tester	AFRE	
Recorded	11/07/23	
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	M112,VF12-3,M55,BID00488,PI DP72
Sample ID		
Tested	11/07/23	
Tester	AFRE	
Recorded	11/07/23	
<b>CAS NUMBER</b>	64197(ACETIC ACID) CAS#	64-19-7
Sample ID		
Tested	11/07/23	
Tester	AFRE	
Recorded	11/07/23	
<b>Lot #</b>	3103069	
<b>Made</b>	11/07/23	

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**