



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

<b>Packaged Product:</b> MAR77018050			
ACETIC ACID REAGENT GRADE (FS#A38C-212) (2.5L)			
Test	Target/UOM	Range	Result
<b>ASSAY OF MATERIAL</b>	>= 99.7%		99.9%
	%		
Sample ID			
Tested	08/28/24		
Tester	TBUR		
Recorded	08/28/24		
<b>ACETIC ACID (CH3 COOH)</b>	MAX 0.01%		<0.01%
	ACETIC		
Sample ID			
Tested	08/28/24		
Tester	TBUR		
Recorded	08/28/24		
<b>CHLORIDE CONTENT</b>	MAX 1 PPM		<0.4 PPM
	PPM		
Sample ID			
Tested	08/28/24		
Tester	TBUR		
Recorded	08/28/24		
<b>COLOR</b>	MAX 10 APHA		<10 APHA
	PT-CO		
Sample ID			
Tested	08/28/24		
Tester	TBUR		
Recorded	08/28/24		
<b>DILUTION TEST</b>	PASSES TEST		PASSES TEST
	PASS		
Sample ID			
Tested	08/28/24		
Tester	TBUR		
Recorded	08/28/24		
<b>HEAVY METAL (AS PB)</b>	MAX 0.5 PPM		<0.5 PPM
	PPM		
Sample ID			
Tested	08/28/24		
Tester	TBUR		
Recorded	08/28/24		
<b>IRON</b>	MAX 0.2 PPM		<0.2 PPM
	PPM		
Sample ID			
Tested	08/28/24		
Tester	TBUR		
Recorded	08/28/24		
<b>REDUCING SUBSTANCES</b>	PASSES TEST		PASSES TEST
	PASS		
Sample ID			
Tested	08/28/24		
Tester	TBUR		
Recorded	08/28/24		



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<b>SUBS. REDUCING KMNO4</b>	<b>PASSES TEST</b>	<b>PASSES TEST</b>
	PASS	
Sample ID		
Tested 08/28/24		
Tester TBUR		
Recorded 08/28/24		
<b>SULFATE (SO4) CONTENT</b>	<b>MAX 1 PPM</b>	<b>&lt;0.4 PPM</b>
	MG/KG	
Sample ID		
Tested 08/28/24		
Tester TBUR		
Recorded 08/28/24		
<b>TITRABLE BASE</b>	<b>MAX 0.0004 MEQ/G</b>	<b>&lt;0.0004 MEQ/G</b>
	T BASE	
Sample ID		
Tested 08/28/24		
Tester TBUR		
Recorded 08/28/24		
<b>RESIDUE AFTER EVAPORATION</b>	<b>&lt;= 8 PPM</b>	<b>&lt;8 PPM</b>
Sample ID		
Tested 08/28/24		
Tester TBUR		
Recorded 08/28/24		
<b>MANUFACTURE DATE</b>	<b>MM/DD/YY</b>	<b>02/01/2023</b>
	MM/DD/YYYY	
Sample ID		
Tested 08/28/24		
Tester TBUR		
Recorded 08/28/24		
<b>EXPIRATION DATE</b>	<b>MM/DD/YY</b>	<b>01/30/2028</b>
	MM/DD/YYYY	
Sample ID		
Tested 08/28/24		
Tester TBUR		
Recorded 08/28/24		
<b>SHELF LIFE OF PRODUCT</b>	<b>5 YEARS</b>	<b>5 YEARS</b>
	TIME	
Sample ID		
Tested 08/28/24		
Tester TBUR		
Recorded 08/28/24		

**Lot #** 423921

**Made** 08/26/24



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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**