



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

<b>Packaged Product:</b> 2180			
COLOR STANDARD 500 HAZEN UNITS (APHA)/ASTM D1209			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID	YES		
Tested 10/19/23			
Tester MMAT			
Recorded 10/19/23			
<b>Actual Color, APHA</b>	500	490 - 510	509
	COLOR		
Sample ID			
Tested 10/19/23			
Tester MMAT			
Recorded 10/19/23			
<b>CERTIFIED TO ASTM D1209</b>	YES		YES
	YES		
Sample ID			
Tested 10/19/23			
Tester MMAT			
Recorded 10/19/23			
<b>ABSORBANCE AT 430 NM</b>	0.115	0.110 - 0.120	0.111
	ABSORBANCE NM		
Sample ID			
Tested 10/19/23			
Tester MMAT			
Recorded 10/19/23			
<b>ABSORBANCE AT 455 NM</b>	0.137	0.130 - 0.145	0.135
	ABSORBANCE NM		
Sample ID			
Tested 10/19/23			
Tester MMAT			
Recorded 10/19/23			
<b>ABSORBANCE AT 480 NM</b>	0.113	0.105 - 0.120	0.109
	ABSORBANCE NM		
Sample ID			
Tested 10/19/23			
Tester MMAT			
Recorded 10/19/23			
<b>ABSORBANCE AT 510 NM</b>	0.060	0.055 - 0.065	0.055
	ABSORBANCE NM		
Sample ID			
Tested 10/19/23			
Tester MMAT			
Recorded 10/19/23			
<b>APPEARANCE AND COLOR</b>	CLEAR YELLOW-BROWN		PASS
	LIQUID		
	APPEARANCE		
Sample ID			
Tested 10/19/23			
Tester MMAT			
Recorded 10/19/23			



Aqua Solutions, Inc.  
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 Fax: 281-479-2790  
 P.O. Box 70  
 Deer Park, TX 77536  
 Website: [www.aquasolutions.org](http://www.aquasolutions.org)

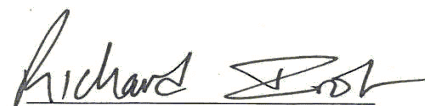
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<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	M115,VF4-N19,M44
Sample ID		
Tested 10/19/23		
Tester MMAT		
Recorded 10/19/23		
<b>EXPIRATION DATE</b>	MM/DD/YY	10/30/24
	MM/DD/YYYY	
Sample ID		
Tested 10/19/23		
Tester MMAT		
Recorded 10/19/23		
<b>SHELF LIFE OF PRODUCT</b>	SHELF LIFE	1 YEAR
	TIME	
Sample ID		
Tested 10/19/23		
Tester MMAT		
Recorded 10/19/23		
<b>Lot #</b>	3101967	
<b>Made</b>	10/19/23	

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**