



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

<b>Packaged Product:</b> 7443 POTASSIUM PERMANGANATE 0.2 NORMAL			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 02/27/25			
Tester BKIR			
Recorded 02/27/25			
<b>Actual Normality</b>	0.2000 EQ/L	0.1995 - 0.2005	0.1999
Sample ID			
Tested 02/27/25			
Tester BKIR			
Recorded 02/27/25			
<b>Expanded measurement uncertainty</b>	0.0008 EQUIV/L		0.0008
Sample ID			
Tested 02/27/25			
Tester BKIR			
Recorded 02/27/25			
<b>QCSP9:STADARDIZATION OF</b>	YES		YES
<b>POTASSIUM PERMAN</b>	QCSP9		
Sample ID			
Tested 02/27/25			
Tester BKIR			
Recorded 02/27/25			
<b>N.I.S.T. Traceable to SRM 40</b>	YES		YES
	YES		
Sample ID			
Tested 02/27/25			
Tester BKIR			
Recorded 02/27/25			
<b>Actual Density</b>	1.00264 G/ML	1.00162 - 1.00367	1.00283
Sample ID			
Tested 02/27/25			
Tester BKIR			
Recorded 02/27/25			
<b>APPEARANCE AND COLOR</b>	CLEAR DARK PURPLE LIQUID APPEARANCE		PASS
Sample ID			
Tested 02/27/25			
Tester BKIR			
Recorded 02/27/25			
<b>SAMPLE COLLECTION &amp; HANDLING</b>	YES		YES
<b>PER LAB040</b>	YES		
Sample ID			
Tested 02/27/25			
Tester BKIR			
Recorded 02/27/25			

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<b>DATE OF SAMPLING FOR TEST</b>	MM/DD/YYYY		02/27/2025
<b>PURPOSES</b>	MM/DD/YYYY		
Sample ID			
Tested	02/27/25		
Tester	BKIR		
Recorded	02/27/25		
<b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>	25.0 DEG C	10.0 - 35.0	20.1
Sample ID			
Tested	02/27/25		
Tester	BKIR		
Recorded	02/27/25		
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		02/27/2025
Sample ID	MM/DD/YYYY		
Tested	02/27/25		
Tester	BKIR		
Recorded	02/27/25		
<b>AMBIENT TEST TEMPERATURE DEG C</b>	20.0 DEG C	15.0 - 30.0	20.3
Sample ID			
Tested	02/27/25		
Tester	BKIR		
Recorded	02/27/25		
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M91,M55,T-18,M1031,BURET3 902
Sample ID			
Tested	02/27/25		
Tester	BKIR		
Recorded	02/27/25		
<b>EXPIRATION DATE</b>	MM/DD/YYYY		02/28/2026
Sample ID	MM/DD/YYYY		
Tested	02/27/25		
Tester	BKIR		
Recorded	02/27/25		
<b>SHELF LIFE OF PRODUCT</b>	1 YEAR TIME		1 YEAR
Sample ID			
Tested	02/27/25		
Tester	BKIR		
Recorded	02/27/25		
<b>Lot #</b>	5021811		
<b>Made</b>	02/27/25		



Aqua Solutions, Inc.  
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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**