



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

Packaged Product: 7450			
POTASSIUM PERMANGANATE 0.5 NORMAL			
Test	Target/UOM	Range	Result
Prepared with High Purity KMNO4	YES		YES
	YES		
Sample ID			
Tested 06/21/24			
Tester RIRO			
Recorded 06/21/24			
Actual Normality	0.5000	0.4990 - 0.5010	0.5002
	EQ/L		
Sample ID			
Tested 06/21/24			
Tester RIRO			
Recorded 06/21/24			
QCSP9:STADARDIZATION OF POTASSIUM PERMAN	YES		YES
	QCSP9		
Sample ID			
Tested 06/21/24			
Tester RIRO			
Recorded 06/21/24			
PREPARED TO FORMULATION ON FILE	YES		YES
	YES		
Sample ID			
Tested 06/21/24			
Tester RIRO			
Recorded 06/21/24			
Prepared with high purity KMNO4	YES		YES
	YES		
Sample ID			
Tested 06/21/24			
Tester RIRO			
Recorded 06/21/24			
APPEARANCE AND COLOR	CLEAR DARK PURPLE		PASS
	LIQUID		
	APPEARANCE		
Sample ID			
Tested 06/21/24			
Tester RIRO			
Recorded 06/21/24			
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		T-P4,M55,BID00515,PIDM91
Sample ID			
Tested 06/21/24			
Tester RIRO			
Recorded 06/21/24			
SHELF LIFE OF PRODUCT	SHELF LIFE		1 YEAR
	TIME		
Sample ID			
Tested 06/21/24			
Tester RIRO			
Recorded 06/21/24			



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Customer PO # :

Actual Density	1.00899	1.00871 - 1.00926	1.00890
	GM/ML		
Sample ID			
Tested	06/21/24		
Tester	RIRO		
Recorded	06/21/24		
Prepared with high purity KMnO4	YES		YES
	YES		
Sample ID			
Tested	06/21/24		
Tester	RIRO		
Recorded	06/21/24		
EXPIRATION DATE	MM/DD/YY		06/30/25
	MM/DD/YYYY		
Sample ID			
Tested	06/21/24		
Tester	RIRO		
Recorded	06/21/24		
Lot #	4061129		
Made	06/21/24		

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