



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

<b>Packaged Product:</b> SPE949F			
POTASSIUM HYDROXIDE 4.65 ± 0.015 NORMAL (1L)			
Test	Target/UOM	Range	Result
<b>FORMULATION INCLUDES ULTRA PURE WATER</b>	YES		YES
Sample ID			
Tested 07/20/24			
Tester AFRE			
Recorded 07/20/24			
<b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>	YES		YES
Sample ID			
Tested 07/20/24			
Tester AFRE			
Recorded 07/20/24			
<b>DATE OF SAMPLING FOR TEST PURPOSES</b>	MM/DD/YYYY		07/20/2024
Sample ID			
Tested 07/20/24			
Tester AFRE			
Recorded 07/20/24			
<b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>	25.0	10.0 - 35.0	20.0
Sample ID			
Tested 07/20/24			
Tester AFRE			
Recorded 07/20/24			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		07/20/2024
Sample ID			
Tested 07/20/24			
Tester AFRE			
Recorded 07/20/24			
<b>AMBIENT TEST TEMPERATURE DEGC</b>	20.0	15.0 - 30.0	20.0
Sample ID			
Tested 07/20/24			
Tester AFRE			
Recorded 07/20/24			
<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE LIQUID APPEARANCE		PASS
Sample ID			
Tested 07/20/24			
Tester AFRE			
Recorded 07/20/24			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M113,T-36,M55,BID00488,PID M91
Sample ID			
Tested 07/20/24			
Tester AFRE			
Recorded 07/20/24			



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<b>NORMALITY TO 4 DEC PLACES</b>	4.6500	4.6350 - 4.6650	4.6491
	EQUIV/LITER		
Sample ID			
Tested	07/20/24		
Tester	AFRE		
Recorded	07/20/24		
<b>Actual Density</b>	1.20318	1.20170 - 1.20465	1.20349
	GM/ML		
Sample ID			
Tested	07/20/24		
Tester	AFRE		
Recorded	07/20/24		
<b>N.I.S.T. Traceable to SRM 84</b>	YES		YES
	YES		
Sample ID			
Tested	07/20/24		
Tester	AFRE		
Recorded	07/20/24		
<b>ULTRA PURE WATER USED IN PREP</b>	YES		YES
	YES		
Sample ID			
Tested	07/20/24		
Tester	AFRE		
Recorded	07/20/24		
<b>SHELF LIFE OF PRODUCT</b>	2 YEARS		2 YEARS
	TIME		
Sample ID			
Tested	07/20/24		
Tester	AFRE		
Recorded	07/20/24		
<b>EXPIRATION DATE</b>	MM/DD/YY		07/30/26
	MM/DD/YYYY		
Sample ID			
Tested	07/20/24		
Tester	AFRE		
Recorded	07/20/24		
<b>Lot #</b>	4071127		
<b>Made</b>	07/20/24		

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.



Aqua Solutions, Inc.  
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Unless otherwise agreed to, all chemicals used in the preparation of this product are Reagent ACS grade.

**Quality Manager**