



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

<b>Packaged Product:</b> ERL114AF			
POTASSIUM HYDROXIDE 0.1 NORMAL IN IPA			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID			
Tested 12/14/23			
Tester DTRA			
Recorded 12/14/23			
<b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>	YES		YES
Sample ID			
Tested 12/14/23			
Tester DTRA			
Recorded 12/14/23			
<b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>	25.0 DEG C	10.0 - 35.0	21.5
Sample ID			
Tested 12/14/23			
Tester DTRA			
Recorded 12/14/23			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY MM/DD/YYYY		12/14/2023
Sample ID			
Tested 12/14/23			
Tester DTRA			
Recorded 12/14/23			
<b>AMBIENT TEST TEMPERATURE DEGC</b>	20.0 DEG C	15.0 - 30.0	21.5
Sample ID			
Tested 12/14/23			
Tester DTRA			
Recorded 12/14/23			
<b>LOT NUMBER OF ORIGINAL MATERIAL</b>	BULK LOT NUMBER LOT #		3111306
Sample ID			
Tested 12/14/23			
Tester DTRA			
Recorded 12/14/23			
<b>Actual Normality</b>	0.1000 EQ/L	0.0995 - 0.1005	0.0999
Sample ID			
Tested 12/14/23			
Tester DTRA			
Recorded 12/14/23			
<b>Actual Density</b>	0.79116 GM/ML	0.78994 - 0.79237	0.79129
Sample ID			
Tested 12/14/23			
Tester DTRA			
Recorded 12/14/23			



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<b>N.I.S.T. Traceable to SRM 84 (KHP)</b>	YES YES	YES
Sample ID		
Tested	12/14/23	
Tester	DTRA	
Recorded	12/14/23	
<b>APPEARANCE AND COLOR</b>	CLEAR-SLIGHTLY HAZY LIQUID APPEARANCE	PASS
Sample ID		
Tested	12/14/23	
Tester	DTRA	
Recorded	12/14/23	
<b>INSTRUMENTS USED DURING PREPARATION</b>	LAB EQUIPMENT INSTRUMENT	M55,M81,BID00787,TID53294
Sample ID		
Tested	12/14/23	
Tester	DTRA	
Recorded	12/14/23	
<b>EXPIRATION DATE</b>	MM/DD/YYYY MM/DD/YYYY	12/26/2023
Sample ID		
Tested	12/14/23	
Tester	DTRA	
Recorded	12/14/23	
<b>SHELF LIFE OF PRODUCT</b>	1 WEEK TIME	1 WEEK
Sample ID		
Tested	12/14/23	
Tester	DTRA	
Recorded	12/14/23	
<b>DATE OF SAMPLING FOR TEST PURPOSES</b>	MM/DD/YYYY MM/DD/YYYY	12/14/2023
Sample ID		
Tested	12/14/23	
Tester	DTRA	
Recorded	12/14/23	
<b>Lot #</b>	3121117	
<b>Made</b>	12/14/23	

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.



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**