



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

<b>Packaged Product:</b> 8638			
SODIUM HYDROXIDE 0.313 NORMAL			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID			
Tested 09/03/24			
Tester JENC			
Recorded 09/03/24			
<b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>	YES		YES
Sample ID			
Tested 09/03/24			
Tester JENC			
Recorded 09/03/24			
<b>DATE OF SAMPLING FOR TEST PURPOSES</b>	MM/DD/YYYY		09/03/2024
Sample ID	MM/DD/YYYY		
Tested 09/03/24			
Tester JENC			
Recorded 09/03/24			
<b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>	25.0	10.0 - 35.0	18.7
Sample ID	DEG C		
Tested 09/03/24			
Tester JENC			
Recorded 09/03/24			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		09/03/2024
Sample ID	MM/DD/YYYY		
Tested 09/03/24			
Tester JENC			
Recorded 09/03/24			
<b>AMBIENT TEST TEMPERATURE DEG C</b>	20.0	15.0 - 30.0	18.7
Sample ID	DEG C		
Tested 09/03/24			
Tester JENC			
Recorded 09/03/24			
<b>NORMALITY TO 4 DEC PLACES</b>	0.3130	0.3125 - 0.3135	0.3126
Sample ID	EQUIV/LITER		
Tested 09/03/24			
Tester JENC			
Recorded 09/03/24			
<b>QCSP7: STANDARDIZATION OF AQUEOUS BASES</b>	YES		YES
Sample ID	METHOD		
Tested 09/03/24			
Tester JENC			
Recorded 09/03/24			



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<b>N.I.S.T. Traceable to SRM 84</b>	YES YES	YES
Sample ID		
Tested	09/03/24	
Tester	JENC	
Recorded	09/03/24	
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID APPEARANCE	PASS
Sample ID		
Tested	09/03/24	
Tester	JENC	
Recorded	09/03/24	
<b>Actual Density</b>	1.01213 GM/ML	1.01200 - 1.01226 1.01220
Sample ID		
Tested	09/03/24	
Tester	JENC	
Recorded	09/03/24	
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	M115,T72,M55,M91
Sample ID		
Tested	09/03/24	
Tester	JENC	
Recorded	09/03/24	
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY	09/30/26
Sample ID		
Tested	09/03/24	
Tester	JENC	
Recorded	09/03/24	
<b>SHELF LIFE OF PRODUCT</b>	SHELF LIFE TIME	2 YEARS
Sample ID		
Tested	09/03/24	
Tester	JENC	
Recorded	09/03/24	
<b>Lot #</b>	4082816	
<b>Made</b>	09/03/24	

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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Deer Park, TX 77536  
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Page: 3

Date: 09/03/24 at 10:57 AM

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

**Quality Manager**