



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

<b>Packaged Product:</b> 8645			
Sodium Hydroxide 0.5 Normal NIST Traceable Solution			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID	YES		
Tested 08/23/22			
Tester MDON			
Recorded 08/23/22			
<b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>	YES		YES
Sample ID	YES		
Tested 08/23/22			
Tester MDON			
Recorded 08/23/22			
<b>DATE OF SAMPLING FOR TEST PURPOSES</b>	MM/DD/YYYY		08/22/22
Sample ID	MM/DD/YYYY		
Tested 08/23/22			
Tester MDON			
Recorded 08/23/22			
<b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>	25.0	10.0 - 35.0	27.2
Sample ID	DEG C		
Tested 08/23/22			
Tester MDON			
Recorded 08/23/22			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		08/22/22
Sample ID	MM/DD/YYYY		
Tested 08/23/22			
Tester MDON			
Recorded 08/23/22			
<b>AMBIENT TEST TEMPERATURE DEG C</b>	20.0	15.0 - 30.0	27.2
Sample ID	DEG C		
Tested 08/23/22			
Tester MDON			
Recorded 08/23/22			
<b>Actual Normality</b>	0.5000	0.4995 - 0.5005	0.5001
Sample ID	EQ/L		
Tested 08/23/22			
Tester MDON			
Recorded 08/23/22			
<b>QCSP7: STANDARDIZATION OF AQUEOUS BASES</b>	YES		YES
Sample ID	METHOD		
Tested 08/23/22			
Tester MDON			
Recorded 08/23/22			



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<b>N.I.S.T. Traceable to SRM 84 (KHP)</b>	YES YES	YES
Sample ID		
Tested	08/23/22	
Tester	MDON	
Recorded	08/23/22	
<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE LIQUID APPEARANCE	PASS
Sample ID		
Tested	08/23/22	
Tester	MDON	
Recorded	08/23/22	
<b>Actual Density</b>	1.02022 GM/ML	1.01995 - 1.02048 1.02037
Sample ID		
Tested	08/23/22	
Tester	MDON	
Recorded	08/23/22	
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	M25,T-IX,M55,M91,BID3902,TI D41095
Sample ID		
Tested	08/23/22	
Tester	MDON	
Recorded	08/23/22	
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY	08/30/24
Sample ID		
Tested	08/23/22	
Tester	MDON	
Recorded	08/23/22	
<b>SHELF LIFE OF PRODUCT</b>	2 YEARS TIME	2 YEARS
Sample ID		
Tested	08/23/22	
Tester	MDON	
Recorded	08/23/22	
<b>Lot #</b>	2080901	
<b>Made</b>	08/23/22	

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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Date: 08/23/22 at 6:01 AM

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

**Quality Manager**