



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

<b>Packaged Product:</b> 8667			
SODIUM HYDROXIDE 1.2 NORMAL LOW CARBONATE			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID	YES		
Tested 03/07/24			
Tester DTRA			
Recorded 03/07/24			
<b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>	YES		YES
Sample ID	YES		
Tested 03/07/24			
Tester DTRA			
Recorded 03/07/24			
<b>DATE OF SAMPLING FOR TEST PURPOSES</b>	MM/DD/YYYY		03/07/2024
Sample ID	MM/DD/YYYY		
Tested 03/07/24			
Tester DTRA			
Recorded 03/07/24			
<b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>	25.0	10.0 - 35.0	21.0
Sample ID	DEG C		
Tested 03/07/24			
Tester DTRA			
Recorded 03/07/24			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		03/07/2024
Sample ID	MM/DD/YYYY		
Tested 03/07/24			
Tester DTRA			
Recorded 03/07/24			
<b>AMBIENT TEST TEMPERATURE DEG C</b>	20.0	15.0 - 30.0	21.0
Sample ID	DEG C		
Tested 03/07/24			
Tester DTRA			
Recorded 03/07/24			
<b>Product nitrogen purged</b>	YES		YES
Sample ID	YES		
Tested 03/07/24			
Tester DTRA			
Recorded 03/07/24			
<b>QCSP7: STANDARDIZATION OF AQUEOUS BASES</b>	YES		YES
Sample ID	METHOD		
Tested 03/07/24			
Tester DTRA			
Recorded 03/07/24			



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<b>Actual Normality</b>	1.2000 EQ/L	1.1990 - 1.2010	1.1997
Sample ID			
Tested	03/07/24		
Tester	DTRA		
Recorded	03/07/24		
<b>N.I.S.T. Traceable to SRM 84 (KHP)</b>	YES YES		YES
Sample ID			
Tested	03/07/24		
Tester	DTRA		
Recorded	03/07/24		
<b>PPM TOC TO 2 DEC PLACES</b>	5.00 PPM	0.00 - 5.00	0.10
Sample ID			
Tested	03/07/24		
Tester	DTRA		
Recorded	03/07/24		
<b>PPM INORGANIC CARBON</b>	25.00 PPM	0.00 - 25.00	6.64
Sample ID			
Tested	03/07/24		
Tester	DTRA		
Recorded	03/07/24		
<b>Actual Density</b>	1.04915 GM/ML	1.04815 - 1.05035	1.04904
Sample ID			
Tested	03/07/24		
Tester	DTRA		
Recorded	03/07/24		
<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE LIQUID APPEARANCE		PASS
Sample ID			
Tested	03/07/24		
Tester	DTRA		
Recorded	03/07/24		
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M66,M55,T8667,M81,BID00787
Sample ID			
Tested	03/07/24		
Tester	DTRA		
Recorded	03/07/24		
<b>SHELF LIFE OF PRODUCT</b>	1 YEAR TIME		1 YEAR
Sample ID			
Tested	03/07/24		
Tester	DTRA		
Recorded	03/07/24		



Aqua Solutions, Inc.  
 Ph: 281-479-2569  
 Fax: 281-479-2790  
 P.O. Box 70  
 Deer Park, TX 77536  
 Website: [www.aquasolutions.org](http://www.aquasolutions.org)

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Customer PO # :

<b>EXPIRATION DATE</b>	MM/DD/YYYY	03/30/2025
	MM/DD/YYYY	
Sample ID		
Tested	03/07/24	
Tester	DTRA	
Recorded	03/07/24	
<b>Lot #</b>	4030609	
<b>Made</b>	03/07/24	

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**