



**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 11/10/21			
Tester RIRO			
Recorded 11/10/21			
<b>SAMPLE COLLECTION &amp; HANDLING PER LAB040</b>	YES		YES
Sample ID	YES		
Tested 11/10/21			
Tester RIRO			
Recorded 11/10/21			
<b>DATE OF SAMPLING FOR TEST PURPOSES</b>	MM/DD/YYYY		11/10/21
Sample ID	MM/DD/YYYY		
Tested 11/10/21			
Tester RIRO			
Recorded 11/10/21			
<b>AMBIENT TEMPERATURE DURING SAMPLING DEGC</b>	25.0	10.0 - 35.0	25.0
Sample ID	DEG C		
Tested 11/10/21			
Tester RIRO			
Recorded 11/10/21			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		11/10/21
Sample ID	MM/DD/YYYY		
Tested 11/10/21			
Tester RIRO			
Recorded 11/10/21			
<b>AMBIENT TEST TEMPERATURE DEG C</b>	20.0	15.0 - 30.0	21.7
Sample ID	DEG C		
Tested 11/10/21			
Tester RIRO			
Recorded 11/10/21			
<b>Product nitrogen purged</b>	YES		YES
Sample ID	YES		
Tested 11/10/21			
Tester RIRO			
Recorded 11/10/21			
<b>QCSP7: STANDARDIZATION OF AQUEOUS BASES</b>	YES		YES
Sample ID	METHOD		
Tested 11/10/21			
Tester RIRO			
Recorded 11/10/21			



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<b>Actual Normality</b>	1.2000 EQ/L	1.1990 - 1.2010	1.2008
Sample ID			
Tested	11/10/21		
Tester	RIRO		
Recorded	11/10/21		
<b>N.I.S.T. Traceable to SRM 84</b>	YES YES		YES
Sample ID			
Tested	11/10/21		
Tester	RIRO		
Recorded	11/10/21		
<b>PPM INORGANIC CARBON</b>	25.0 PPM	0.0 - 25.0	2.8
Sample ID			
Tested	11/10/21		
Tester	RIRO		
Recorded	11/10/21		
<b>Actual Density</b>	1.04915 GM/ML	1.04815 - 1.05035	1.04915
Sample ID			
Tested	11/10/21		
Tester	RIRO		
Recorded	11/10/21		
<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE LIQUID APPEARANCE		PASS
Sample ID			
Tested	11/10/21		
Tester	RIRO		
Recorded	11/10/21		
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M101,T-203,M55,M34,M91
Sample ID			
Tested	11/10/21		
Tester	RIRO		
Recorded	11/10/21		
<b>SHELF LIFE OF PRODUCT</b>	1 YEAR TIME		1 YEAR
Sample ID			
Tested	11/10/21		
Tester	RIRO		
Recorded	11/10/21		
<b>EXPIRATION DATE</b>	MM/DD/YYYY MM/DD/YYYY		11/30/22
Sample ID			
Tested	11/10/21		
Tester	RIRO		
Recorded	11/10/21		

**Lot #** 1110803

**Made** 11/10/21



Aqua Solutions, Inc.  
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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**