



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

Packaged Product: 8667			
SODIUM HYDROXIDE 1.2 NORMAL LOW CARBONATE			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES YES		YES
Sample ID			
Tested 01/10/24			
Tester AFRE			
Recorded 01/10/24			
SAMPLE COLLECTION & HANDLING PER LAB040	YES YES		YES
Sample ID			
Tested 01/10/24			
Tester AFRE			
Recorded 01/10/24			
DATE OF SAMPLING FOR TEST PURPOSES	MM/DD/YYYY MM/DD/YYYY		01/10/2024
Sample ID			
Tested 01/10/24			
Tester AFRE			
Recorded 01/10/24			
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0 DEG C	10.0 - 35.0	20.0
Sample ID			
Tested 01/10/24			
Tester AFRE			
Recorded 01/10/24			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY MM/DD/YYYY		01/10/2024
Sample ID			
Tested 01/10/24			
Tester AFRE			
Recorded 01/10/24			
AMBIENT TEST TEMPERATURE DEGC	20.0 DEG C	15.0 - 30.0	20.0
Sample ID			
Tested 01/10/24			
Tester AFRE			
Recorded 01/10/24			
Product nitrogen purged	YES YES		YES
Sample ID			
Tested 01/10/24			
Tester AFRE			
Recorded 01/10/24			
QCSP7: STANDARDIZATION OF AQUEOUS BASES	YES METHOD		YES
Sample ID			
Tested 01/10/24			
Tester AFRE			
Recorded 01/10/24			



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Actual Normality	1.2000 EQ/L	1.1990 - 1.2010	1.2006
Sample ID			
Tested	01/10/24		
Tester	AFRE		
Recorded	01/10/24		
N.I.S.T. Traceable to SRM 84 (KHP)	YES YES		YES
Sample ID			
Tested	01/10/24		
Tester	AFRE		
Recorded	01/10/24		
PPM INORGANIC CARBON	25.0 PPM	0.0 - 25.0	19.9
Sample ID			
Tested	01/10/24		
Tester	AFRE		
Recorded	01/10/24		
Actual Density	1.04915 GM/ML	1.04815 - 1.05035	1.04911
Sample ID			
Tested	01/10/24		
Tester	AFRE		
Recorded	01/10/24		
APPEARANCE AND COLOR	CLEAR WATER WHITE LIQUID APPEARANCE		PASS
Sample ID			
Tested	01/10/24		
Tester	AFRE		
Recorded	01/10/24		
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		M109,M55,T8667,M24,M91,BID 00488,TI
Sample ID			
Tested	01/10/24		
Tester	AFRE		
Recorded	01/10/24		
SHELF LIFE OF PRODUCT	1 YEAR TIME		1 YEAR
Sample ID			
Tested	01/10/24		
Tester	AFRE		
Recorded	01/10/24		
EXPIRATION DATE	MM/DD/YYYY MM/DD/YYYY		01/30/2025
Sample ID			
Tested	01/10/24		
Tester	AFRE		
Recorded	01/10/24		

Lot # 4010352

Made 01/10/24



Aqua Solutions, Inc.
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Deer Park, TX 77536
Website: www.aquasolutions.org

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Date: 01/10/24 at 2:06 PM

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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