



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
Sample ID			
Tested 09/05/24			
Tester DTRA			
Recorded 09/05/24			
SAMPLE COLLECTION & HANDLING PER LAB040	YES		YES
Sample ID			
Tested 09/05/24			
Tester DTRA			
Recorded 09/05/24			
DATE OF SAMPLING FOR TEST PURPOSES	MM/DD/YYYY		09/05/2024
Sample ID			
Tested 09/05/24			
Tester DTRA			
Recorded 09/05/24			
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0	10.0 - 35.0	17.0
Sample ID			
Tested 09/05/24			
Tester DTRA			
Recorded 09/05/24			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		09/05/2024
Sample ID			
Tested 09/05/24			
Tester DTRA			
Recorded 09/05/24			
AMBIENT TEST TEMPERATURE DEGC	20.0	15.0 - 30.0	17.0
Sample ID			
Tested 09/05/24			
Tester DTRA			
Recorded 09/05/24			
QCSP7: STANDARDIZATION OF AQUEOUS BASES	YES		YES
Sample ID			
Tested 09/05/24			
Tester DTRA			
Recorded 09/05/24			
Actual Normality	1.2000	1.1990 - 1.2010	1.2000
Sample ID			
Tested 09/05/24			
Tester DTRA			
Recorded 09/05/24			



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N.I.S.T. Traceable to SRM 84 (KHP)	YES		YES
	YES		
Sample ID			
Tested	09/05/24		
Tester	DTRA		
Recorded	09/05/24		
PPM TOC TO 2 DEC PLACES	5.00	0.00 - 5.00	3.55
	PPM		
Sample ID			
Tested	09/05/24		
Tester	DTRA		
Recorded	09/05/24		
PPM INORGANIC CARBON	25.00	0.00 - 25.00	4.78
	PPM		
Sample ID			
Tested	09/05/24		
Tester	DTRA		
Recorded	09/05/24		
Actual Density	1.04902	1.04852 - 1.04952	1.04901
	GM/ML		
Sample ID			
Tested	09/05/24		
Tester	DTRA		
Recorded	09/05/24		
APPEARANCE AND COLOR	CLEAR WATER WHITE		PASS
	LIQUID		
	APPEARANCE		
Sample ID			
Tested	09/05/24		
Tester	DTRA		
Recorded	09/05/24		
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		T8667,M55,M109
Sample ID			
Tested	09/05/24		
Tester	DTRA		
Recorded	09/05/24		
SHELF LIFE OF PRODUCT	1 YEAR		1 YEAR
	TIME		
Sample ID			
Tested	09/05/24		
Tester	DTRA		
Recorded	09/05/24		
EXPIRATION DATE	MM/DD/YYYY		09/30/2025
	MM/DD/YYYY		
Sample ID			
Tested	09/05/24		
Tester	DTRA		
Recorded	09/05/24		



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Product nitrogen purged	YES	YES
	YES	
Sample ID		
Tested	09/05/24	
Tester	DTRA	
Recorded	09/05/24	
Lot #	4090426	
Made	09/05/24	

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