



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

Packaged Product: 8645			
Sodium Hydroxide 0.5 Normal NIST Traceable Solution			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON	YES		YES
FILE	YES		
Sample ID			
Tested 12/19/23			
Tester ENOR			
Recorded 12/19/23			
SAMPLE COLLECTION & HANDLING	YES		YES
PER LAB040	YES		
Sample ID			
Tested 12/19/23			
Tester ENOR			
Recorded 12/19/23			
DATE OF SAMPLING FOR TEST	MM/DD/YYYY		12/19/2023
PURPOSES	MM/DD/YYYY		
Sample ID			
Tested 12/19/23			
Tester ENOR			
Recorded 12/19/23			
AMBIENT TEMPERATURE DURING	25.0	10.0 - 35.0	20.1
SAMPLING DEGC	DEG C		
Sample ID			
Tested 12/19/23			
Tester ENOR			
Recorded 12/19/23			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		12/19/2023
	MM/DD/YYYY		
Sample ID			
Tested 12/19/23			
Tester ENOR			
Recorded 12/19/23			
AMBIENT TEST TEMPERATURE	20.0	15.0 - 30.0	20.0
DEG C	DEG C		
Sample ID			
Tested 12/19/23			
Tester ENOR			
Recorded 12/19/23			
QCSP7: STANDARDIZATION OF	YES		YES
AQUEOUS BASES	METHOD		
Sample ID			
Tested 12/19/23			
Tester ENOR			
Recorded 12/19/23			
N.I.S.T. Traceable to SRM 84 (KHP)	YES		YES
	YES		
Sample ID			
Tested 12/19/23			
Tester ENOR			
Recorded 12/19/23			



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APPEARANCE AND COLOR	CLEAR WATER WHITE LIQUID APPEARANCE	PASS
Sample ID		
Tested	12/19/23	
Tester	ENOR	
Recorded	12/19/23	
Actual Density	1.02022 GM/ML	1.02053
	1.01975 - 1.02069	
Sample ID		
Tested	12/19/23	
Tester	ENOR	
Recorded	12/19/23	
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	M86,T-212,BID-08251,PID-M91
Sample ID		
Tested	12/19/23	
Tester	ENOR	
Recorded	12/19/23	
EXPIRATION DATE	MM/DD/YY MM/DD/YYYY	12/30/25
Sample ID		
Tested	12/19/23	
Tester	ENOR	
Recorded	12/19/23	
SHELF LIFE OF PRODUCT	2 YEARS TIME	2 YEARS
Sample ID		
Tested	12/19/23	
Tester	ENOR	
Recorded	12/19/23	
Actual Normality	0.5000 EQ/L	0.5002
	0.4995 - 0.5005	
Sample ID		
Tested	12/19/23	
Tester	ENOR	
Recorded	12/19/23	
Lot #	31211121	
Made	12/19/23	

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: 12/19/23 at 1:08 PM

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

Quality Manager