



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

Packaged Product: UC115F			
SODIUM HYDROXIDE 0.5 NORMAL STD ALCOHOLIC-8647			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
Sample ID	YES		
Tested 02/13/24			
Tester AFRE			
Recorded 02/13/24			
SAMPLE COLLECTION & HANDLING PER LAB040	YES		YES
Sample ID	YES		
Tested 02/13/24			
Tester AFRE			
Recorded 02/13/24			
DATE OF SAMPLING FOR TEST PURPOSES	MM/DD/YYYY		02/13/2024
Sample ID	MM/DD/YYYY		
Tested 02/13/24			
Tester AFRE			
Recorded 02/13/24			
AMBIENT TEMPERATURE DURING SAMPLING DEGC	25.0	10.0 - 35.0	20.0
Sample ID	DEG C		
Tested 02/13/24			
Tester AFRE			
Recorded 02/13/24			
DATE OF TESTING OF SAMPLE	MM/DD/YYYY		02/13/2024
Sample ID	MM/DD/YYYY		
Tested 02/13/24			
Tester AFRE			
Recorded 02/13/24			
AMBIENT TEST TEMPERATURE DEG C	20.0	15.0 - 30.0	20.0
Sample ID	DEG C		
Tested 02/13/24			
Tester AFRE			
Recorded 02/13/24			
Actual Normality	0.5000	0.4995 - 0.5005	0.5004
Sample ID	EQ/L		
Tested 02/13/24			
Tester AFRE			
Recorded 02/13/24			
QCSP7: STANDARDIZATION OF AQUEOUS BASES	YES		YES
Sample ID	METHOD		
Tested 02/13/24			
Tester AFRE			
Recorded 02/13/24			



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N.I.S.T. Traceable to SRM 84 (KHP)	YES YES	YES
Sample ID		
Tested	02/13/24	
Tester	AFRE	
Recorded	02/13/24	
Actual Density	0.89612 GM/ML	0.89396 - 0.89829 0.89733
Sample ID		
Tested	02/13/24	
Tester	AFRE	
Recorded	02/13/24	
APPEARANCE AND COLOR	CLEAR LIQUID APPEARANCE	PASS
Sample ID		
Tested	02/13/24	
Tester	AFRE	
Recorded	02/13/24	
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	M103,GC,VF5-E4,M55,BID004 88
Sample ID		
Tested	02/13/24	
Tester	AFRE	
Recorded	02/13/24	
SHELF LIFE OF PRODUCT	6 MONTHS TIME	6 MONTHS
Sample ID		
Tested	02/13/24	
Tester	AFRE	
Recorded	02/13/24	
EXPIRATION DATE	MM/DD/YYYY MM/DD/YYYY	08/30/2024
Sample ID		
Tested	02/13/24	
Tester	AFRE	
Recorded	02/13/24	
Lot #	4020736	
Made	02/13/24	

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.



Aqua Solutions, Inc.
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P.O. Box 70
Deer Park, TX 77536
Website: www.aquasolutions.org

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Date: 02/13/24 at 11:27 AM

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

Quality Manager