

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

<b>Packaged Product:</b> M-103F			
SODIUM HYDROXIDE 0.01 NORMAL IN IPA			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 06/27/23			
Tester BPHI			
Recorded 06/27/23			
<b>Actual Normality</b>	0.0100	0.0095 - 0.0105	0.0101
	EQ/L		
Sample ID			
Tested 06/27/23			
Tester BPHI			
Recorded 06/27/23			
<b>QCSP7: STANDARDIZATION OF</b>	YES		YES
<b>AQUEOUS BASES</b>	METHOD		
Sample ID			
Tested 06/27/23			
Tester BPHI			
Recorded 06/27/23			
<b>N.I.S.T. Traceable to SRM 84 (KHP)</b>	YES		YES
	YES		
Sample ID			
Tested 06/27/23			
Tester BPHI			
Recorded 06/27/23			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID		PASS
	APPEARANCE		
Sample ID			
Tested 06/27/23			
Tester BPHI			
Recorded 06/27/23			
<b>INSTRUMENTS USED DURING</b>	INSTRUMENT		M112,VF2-B37,M55,BURET:05
<b>PREPARATION</b>			383
Sample ID			
Tested 06/27/23			
Tester BPHI			
Recorded 06/27/23			
<b>Actual Density</b>	0.78595	0.78555 - 0.78635	0.78571
	GM/ML		
Sample ID			
Tested 06/27/23			
Tester BPHI			
Recorded 06/27/23			
<b>EXPIRATION DATE</b>	MM/DD/YYYY		12/30/23
	MM/DD/YYYY		
Sample ID			
Tested 06/27/23			
Tester JENC			
Recorded 06/27/23			



Aqua Solutions, Inc.  
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**Customer PO # :**

<b>Lot #</b>	3062278
<b>Made</b>	06/27/23

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.

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

**Quality Manager**