



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

<b>Packaged Product:</b> SPX221F			
NITRIC ACID 3 NORMAL SOLUTION			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 01/31/23			
Tester JENC			
Recorded 01/31/23			
<b>SAMPLE COLLECTION &amp; HANDLING</b>	YES		YES
<b>PER LAB040</b>	YES		
Sample ID			
Tested 01/31/23			
Tester JENC			
Recorded 01/31/23			
<b>DATE OF SAMPLING FOR TEST</b>	MM/DD/YYYY		01/31/23
<b>PURPOSES</b>	MM/DD/YYYY		
Sample ID			
Tested 01/31/23			
Tester JENC			
Recorded 01/31/23			
<b>AMBIENT TEMPERATURE DURING</b>	25.0	10.0 - 35.0	20.3
<b>SAMPLING DEGC</b>	DEG C		
Sample ID			
Tested 01/31/23			
Tester JENC			
Recorded 01/31/23			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		01/31/23
	MM/DD/YYYY		
Sample ID			
Tested 01/31/23			
Tester JENC			
Recorded 01/31/23			
<b>AMBIENT TEST TEMPERATURE</b>	20.0	15.0 - 30.0	20.3
<b>DEG C</b>	DEG C		
Sample ID			
Tested 01/31/23			
Tester JENC			
Recorded 01/31/23			
<b>Actual Normality</b>	3.0000	2.9950 - 3.0050	2.9996
	EQ/L		
Sample ID			
Tested 01/31/23			
Tester JENC			
Recorded 01/31/23			
<b>QCSP5: STANDARDIZATION OF</b>	YES		YES
<b>AQUEOUS ACIDS</b>	METHOD		
Sample ID			
Tested 01/31/23			
Tester JENC			
Recorded 01/31/23			



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<b>Actual Density</b>	1.09788 GM/ML	1.09748 - 1.09828	1.09786
Sample ID			
Tested	01/31/23		
Tester	JENC		
Recorded	01/31/23		
<b>N.I.S.T. Traceable to SRM 723 THAM</b>	YES YES		YES
Sample ID			
Tested	01/31/23		
Tester	JENC		
Recorded	01/31/23		
<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE LIQUID APPEARANCE		PASS
Sample ID			
Tested	01/31/23		
Tester	JENC		
Recorded	01/31/23		
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M87,T-6,M55,BID02253
Sample ID			
Tested	01/31/23		
Tester	JENC		
Recorded	01/31/23		
<b>Lot #</b>	2122739		
<b>Made</b>	01/31/23		

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**