



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

<b>Packaged Product:</b> SPX432			
Nitric acid 4 Molar NIST Traceable Solution (1LPVC)			
<b>Lot #</b> 4011127			
<b>Chemical Product:</b> SPX432F			
Nitric acid 4 Molar Solution			
<b>Test</b>	<b>Target/UOM</b>	<b>Range</b>	<b>Result</b>
<b>PREPARED TO FORMULATION ON FILE</b>	YES YES		YES
Sample ID			
Tested 01/11/24			
Tester AFRE			
Recorded 01/11/24			
<b>MOLARITY</b>	4.000 MOLARITY (M/L)	3.940 - 4.060	4.022
Sample ID			
Tested 01/11/24			
Tester AFRE			
Recorded 01/11/24			
<b>APPEARANCE AND COLOR</b>	CLEAR LIQUID APPEARANCE		PASS
Sample ID			
Tested 01/11/24			
Tester AFRE			
Recorded 01/11/24			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M103,VF5-L9
Sample ID			
Tested 01/11/24			
Tester AFRE			
Recorded 01/11/24			
<b>SHELF LIFE OF PRODUCT</b>	2 YEAR TIME		2 YEARS
Sample ID			
Tested 01/11/24			
Tester AFRE			
Recorded 01/11/24			
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY		01/30/2026
Sample ID			
Tested 02/08/24			
Tester TBUR			
Recorded 02/08/24			
<b>Made</b>	01/11/24		



Aqua Solutions, Inc.  
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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**