

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

<b>Packaged Product:</b> 6467			
NITRIC ACID 0.5 NORMAL			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 11/10/23			
Tester JENC			
Recorded 11/10/23			
<b>SAMPLE COLLECTION &amp; HANDLING</b>	YES		YES
<b>PER LAB040</b>	YES		
Sample ID			
Tested 11/10/23			
Tester JENC			
Recorded 11/10/23			
<b>DATE OF SAMPLING FOR TEST</b>	MM/DD/YYYY		11/10/2023
<b>PURPOSES</b>	MM/DD/YYYY		
Sample ID			
Tested 11/10/23			
Tester JENC			
Recorded 11/10/23			
<b>AMBIENT TEMPERATURE DURING</b>	25.0	10.0 - 35.0	21.7
<b>SAMPLING DEGC</b>	DEG C		
Sample ID			
Tested 11/10/23			
Tester JENC			
Recorded 11/10/23			
<b>DATE OF TESTING OF SAMPLE</b>	MM/DD/YYYY		11/10/2023
	MM/DD/YYYY		
Sample ID			
Tested 11/10/23			
Tester MHUS			
Recorded 11/10/23			
<b>AMBIENT TEST TEMPERATURE</b>	20.0	15.0 - 30.0	21.7
<b>DEG C</b>	DEG C		
Sample ID			
Tested 11/10/23			
Tester MHUS			
Recorded 11/10/23			
<b>Actual Normality</b>	0.5000	0.4995 - 0.5005	0.5000
	EQ/L		
Sample ID			
Tested 11/10/23			
Tester MHUS			
Recorded 11/10/23			
<b>QCSP5: STANDARDIZATION OF</b>	YES		YES
<b>AQUEOUS ACIDS</b>	METHOD		
Sample ID			
Tested 11/10/23			
Tester MHUS			
Recorded 11/10/23			

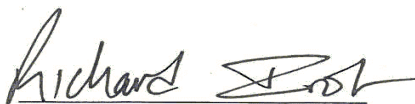
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<b>N.I.S.T. Traceable to SRM 723 THAM</b>	YES YES	YES
Sample ID		
Tested 11/10/23		
Tester MHUS		
Recorded 11/10/23		
<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE LIQUID APPEARANCE	PASS
Sample ID		
Tested 11/10/23		
Tester JENC		
Recorded 11/10/23		
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	M113,T-32,BID-02259,PID-M91
Sample ID		
Tested 11/10/23		
Tester JENC		
Recorded 11/10/23		
<b>SHELF LIFE OF PRODUCT</b>	18 MONTHS TIME	18 MONTHS
Sample ID		
Tested 11/10/23		
Tester JENC		
Recorded 11/10/23		
<b>EXPIRATION DATE</b>	MM/DD/YYYY MM/DD/YYYY	05/30/2025
Sample ID		
Tested 11/10/23		
Tester JENC		
Recorded 11/10/23		
<b>Lot #</b> 3110635		
<b>Made</b> 11/10/23		

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**