



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

Test	Target/UOM	Range	Result
<b>Packaged Product:</b> HOE041F			
	GUR LOW MULTI-ELEMENT STANDARD		
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID			
Tested 12/18/24			
Tester MMAT			
Recorded 12/18/24			
<b>ALUMINUM CONTENT</b>	5.000 ± 0.001 GRAMS		5.000
	%		
Sample ID			
Tested 12/18/24			
Tester MMAT			
Recorded 12/18/24			
<b>LOT # ALUMINUM AA 1,000 PPM STD</b>	LOT #		405815
Sample ID			
Tested 12/18/24			
Tester MMAT			
Recorded 12/18/24			
<b>CALCIUM CONTENT</b>	5.000 ± 0.001 GRAMS		5.000
	CA		
Sample ID			
Tested 12/18/24			
Tester MMAT			
Recorded 12/18/24			
<b>LOT # CALCIUM AA 1,000 PPM STD</b>	LOT #		430319
Sample ID			
Tested 12/18/24			
Tester MMAT			
Recorded 12/18/24			
<b>Iron Content</b>	1.000 ± 0.001 GRAMS		1.000
	PPM		
Sample ID			
Tested 12/18/24			
Tester MMAT			
Recorded 12/18/24			
<b>LOT # IRON AA 1,000 PPM STD</b>	LOT #		427507
Sample ID			
Tested 12/18/24			
Tester MMAT			
Recorded 12/18/24			
<b>Magnesium content</b>	5.000 ± 0.001 GRAMS		5.000
	PPM		
Sample ID			
Tested 12/18/24			
Tester MMAT			
Recorded 12/18/24			



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<b>LOT # MAGNESIUM AA 1,000 PPM STD</b>	<b>LOT #</b>	435211
Sample ID		
Tested 12/18/24		
Tester MMAT		
Recorded 12/18/24		
<b>TITANIUM CONTENT</b>	5.000 ± 0.001 GRAMS	5.000
	PPM	
Sample ID		
Tested 12/18/24		
Tester MMAT		
Recorded 12/18/24		
<b>LOT # TITANIUM AA 1,000 PPM STD</b>	<b>LOT #</b>	326306
Sample ID		
Tested 12/18/24		
Tester MMAT		
Recorded 12/18/24		
<b>Zinc Content</b>	5.000 ± 0.001 GRAMS	5.000
	PPM	
Sample ID		
Tested 12/18/24		
Tester MMAT		
Recorded 12/18/24		
<b>LOT # ZINC AA 1,000 PPM STD</b>	<b>LOT #</b>	428303
Sample ID		
Tested 12/18/24		
Tester MMAT		
Recorded 12/18/24		
<b>LOT # NITRIC ACID</b>	<b>LOT #</b>	317218
Sample ID		
Tested 12/18/24		
Tester MMAT		
Recorded 12/18/24		
<b>APPEARANCE AND COLOR</b>	CLEAR TO SLIGHT AMBER	PASS
	COLOR	
	APPEARANCE	
Sample ID		
Tested 12/18/24		
Tester MMAT		
Recorded 12/18/24		
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	M108,GC,VF4-N21,M120
Sample ID		
Tested 12/18/24		
Tester MMAT		
Recorded 12/18/24		
<b>EXPIRATION DATE</b>	MM/DD/YY	06/30/25
	MM/DD/YYYY	
Sample ID		
Tested 12/18/24		
Tester MMAT		
Recorded 12/18/24		



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**Customer PO # :**

<b>Lot #</b>	4120957
<b>Made</b>	12/18/24

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.

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

**Quality Manager**