



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

<b>Packaged Product:</b> HOE040F			
GUR QC MULTI-ELEMENT STANDARD (LITER)			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 09/12/23			
Tester MMAT			
Recorded 09/12/23			
<b>ALUMINUM CONTENT</b>	10.000 ± 0.001		10.000
	AL		
Sample ID			
Tested 09/12/23			
Tester MMAT			
Recorded 09/12/23			
<b>LOT # ALUMINUM AA 1,000 PPM STD</b>	LOT #		309603
Sample ID			
Tested 09/12/23			
Tester MMAT			
Recorded 09/12/23			
<b>CALCIUM CONTENT</b>	10.000 ± 0.001		10.000
	CA		
Sample ID			
Tested 09/12/23			
Tester MMAT			
Recorded 09/12/23			
<b>LOT # CALCIUM AA 1,000 PPM STD</b>	LOT #		323320
Sample ID			
Tested 09/12/23			
Tester MMAT			
Recorded 09/12/23			
<b>Iron Content</b>	1.000 ± 0.001		1.000
	PPM		
Sample ID			
Tested 09/12/23			
Tester MMAT			
Recorded 09/12/23			
<b>LOT # IRON AA 1,000 PPM STD</b>	LOT #		323321
Sample ID			
Tested 09/12/23			
Tester MMAT			
Recorded 09/12/23			
<b>Magnesium content</b>	5.000 ± 0.001		5.000
	PPM		
Sample ID			
Tested 09/12/23			
Tester MMAT			
Recorded 09/12/23			



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<b>LOT # MAGNESIUM AA 1,000 PPM STD</b>	<b>LOT #</b>	227714
Sample ID		
Tested 09/12/23		
Tester MMAT		
Recorded 09/12/23		
<b>TITANIUM CONTENT</b>	10.000 ± 0.001 PPM	10.000
Sample ID		
Tested 09/12/23		
Tester MMAT		
Recorded 09/12/23		
<b>LOT # TITANIUM AA 1,000 PPM STD</b>	<b>LOT #</b>	308704
Sample ID		
Tested 09/12/23		
Tester MMAT		
Recorded 09/12/23		
<b>GRAMS OF ZINC</b>	25.000 ± 0.001 GM	25.000
Sample ID		
Tested 09/12/23		
Tester MMAT		
Recorded 09/12/23		
<b>LOT # ZINC AA 1,000 PPM STD</b>	<b>LOT #</b>	318451
Sample ID		
Tested 09/12/23		
Tester MMAT		
Recorded 09/12/23		
<b>LOT # NITRIC ACID</b>	<b>LOT #</b>	317218
Sample ID		
Tested 09/12/23		
Tester MMAT		
Recorded 09/12/23		
<b>APPEARANCE AND COLOR</b>	CLEAR TO SLIGHT AMBER COLOR APPEARANCE	PASS
Sample ID		
Tested 09/12/23		
Tester MMAT		
Recorded 09/12/23		
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	GC,M115,VF4-N27
Sample ID		
Tested 09/12/23		
Tester MMAT		
Recorded 09/12/23		
<b>EXPIRATION DATE</b>	MM/DD/YY MM/DD/YYYY	03/30/24
Sample ID		
Tested 09/12/23		
Tester MMAT		
Recorded 09/12/23		



Aqua Solutions, Inc.  
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Date: 09/12/23 at 10:03 AM

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**Customer PO # :**

<b>Lot #</b>	3091134
<b>Made</b>	09/12/23

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**