



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

<b>Packaged Product:</b> HOE039F			
GUR HIGH MULTI-ELEMENT STANDARD			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 06/23/23			
Tester MMAT			
Recorded 06/23/23			
<b>ALUMINUM CONTENT</b>	15.000 ± 0.001		15
	AL		
Sample ID			
Tested 06/23/23			
Tester MMAT			
Recorded 06/23/23			
<b>LOT # ALUMINUM AA 1,000 PPM STD</b>	LOT #		309603
Sample ID			
Tested 06/23/23			
Tester MMAT			
Recorded 06/23/23			
<b>CALCIUM CONTENT</b>	30.000 ± 0.001		30
	CA		
Sample ID			
Tested 06/23/23			
Tester MMAT			
Recorded 06/23/23			
<b>LOT # CALCIUM AA 1,000 PPM STD</b>	LOT #		315901
Sample ID			
Tested 06/23/23			
Tester MMAT			
Recorded 06/23/23			
<b>Iron Content</b>	5.000 ± 0.001		5
	PPM		
Sample ID			
Tested 06/23/23			
Tester MMAT			
Recorded 06/23/23			
<b>LOT # IRON AA 1,000 PPM STD</b>	LOT #		308706
Sample ID			
Tested 06/23/23			
Tester MMAT			
Recorded 06/23/23			
<b>Magnesium content</b>	10.000 ± 0.001		10
	PPM		
Sample ID			
Tested 06/23/23			
Tester MMAT			
Recorded 06/23/23			



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<b>LOT # MAGNESIUM AA 1,000 PPM STD</b>	<b>LOT #</b>	227714
Sample ID		
Tested 06/23/23		
Tester MMAT		
Recorded 06/23/23		
<b>TITANIUM CONTENT</b>	15.000 ± 0.001	15
	PPM	
Sample ID		
Tested 06/23/23		
Tester MMAT		
Recorded 06/23/23		
<b>LOT # TITANIUM AA 1,000 PPM STD</b>	<b>LOT #</b>	127114
Sample ID		
Tested 06/23/23		
Tester MMAT		
Recorded 06/23/23		
<b>GRAMS OF ZINC</b>	50.000 ± 0.001	50
	GM	
Sample ID		
Tested 06/23/23		
Tester MMAT		
Recorded 06/23/23		
<b>LOT # ZINC AA 1,000 PPM STD</b>	<b>LOT #</b>	308705
Sample ID		
Tested 06/23/23		
Tester MMAT		
Recorded 06/23/23		
<b>LOT # NITRIC ACID</b>	<b>LOT #</b>	315718
Sample ID		
Tested 06/23/23		
Tester MMAT		
Recorded 06/23/23		
<b>APPEARANCE AND COLOR</b>	CLEAR TO SLIGHT AMBER	PASS
	COLOR	
	APPEARANCE	
Sample ID		
Tested 06/23/23		
Tester MMAT		
Recorded 06/23/23		
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	GC,M115,VF4-N6,M100
Sample ID		
Tested 06/23/23		
Tester MMAT		
Recorded 06/23/23		
<b>EXPIRATION DATE</b>	MM/DD/YY	12/30/23
	MM/DD/YYYY	
Sample ID		
Tested 06/23/23		
Tester MMAT		
Recorded 06/23/23		



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Date: 06/23/23 at 11:44 AM

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**Customer PO # :**

<b>Lot #</b>	3060810
<b>Made</b>	06/23/23

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**