



**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> HOE047F			
	MIXED METALS SPIKE IN 2% HNO3 + 0.05% HCL (LITER)		
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 02/06/24			
Tester MHAY			
Recorded 02/06/24			
<b>CHROMIUM CONTENT</b>	10.000 ± 0.001		10.000
	CR		
Sample ID			
Tested 02/06/24			
Tester MHAY			
Recorded 02/06/24			
<b>LOT # 1850</b>	LOT #		206205
Sample ID			
Tested 02/06/24			
Tester MHAY			
Recorded 02/06/24			
<b>COPPER CONTENT</b>	10.000 ± 0.001		10.000
	CR		
Sample ID			
Tested 02/06/24			
Tester MHAY			
Recorded 02/06/24			
<b>LOT # 2250</b>	LOT #		233307
Sample ID			
Tested 02/06/24			
Tester MHAY			
Recorded 02/06/24			
<b>NICKEL CONTENT</b>	10.000 ± 0.001		10.000
	PPM		
Sample ID			
Tested 02/06/24			
Tester MHAY			
Recorded 02/06/24			
<b>LOT # 6450</b>	LOT #		228504
Sample ID			
Tested 02/06/24			
Tester MHAY			
Recorded 02/06/24			
<b>GRAMS OF ZINC</b>	10.000 ± 0.001		10.000
	GM		
Sample ID			
Tested 02/06/24			
Tester MHAY			
Recorded 02/06/24			



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<b>LOT # ZINC AA 1,000 PPM STD</b>	LOT #	333928,301606
Sample ID		
Tested 02/06/24		
Tester MHAY		
Recorded 02/06/24		
<b>SELENIUM</b>	0.500 ± 0.001	0.500
	PPM	
Sample ID		
Tested 02/06/24		
Tester MHAY		
Recorded 02/06/24		
<b>LOT 8150</b>	LOT #	216604
Sample ID		
Tested 02/06/24		
Tester MHAY		
Recorded 02/06/24		
<b>Iron Content</b>	100.000 ± 0.001	100.000
	PPM	
Sample ID		
Tested 02/06/24		
Tester MHAY		
Recorded 02/06/24		
<b>LOT # IRON AA 1,000 PPM STD</b>	LOT #	323321
Sample ID		
Tested 02/06/24		
Tester MHAY		
Recorded 02/06/24		
<b>ALUMINUM CONTENT</b>	300.000 ± 0.001	300.000
	AL	
Sample ID		
Tested 02/06/24		
Tester MHAY		
Recorded 02/06/24		
<b>LOT # ALUMINUM AA 1,000 PPM STD</b>	LOT #	319308,309603,308703
Sample ID		
Tested 02/06/24		
Tester MHAY		
Recorded 02/06/24		
<b>APPEARANCE AND COLOR</b>	CLEAR WATER WHITE APPEARANCE	PASS
Sample ID		
Tested 02/06/24		
Tester MHAY		
Recorded 02/06/24		
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT	GC,M108,M115,VF1-Z28
Sample ID		
Tested 02/06/24		
Tester MHAY		
Recorded 02/06/24		



Aqua Solutions, Inc.  
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**Customer PO # :**

**EXPIRATION DATE**

MM/DD/YY  
MM/DD/YYYY

08/30/24

Sample ID

Tested 02/06/24

Tester MHAY

Recorded 02/06/24

**Lot #** 4020527

**Made** 02/06/24

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**