



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

<b>Packaged Product:</b> HOE045F MIXED METALS LOW LEVEL IN 2% HNO3 + 0.05% HCL (LITER)			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES YES		YES
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>CHROMIUM CONTENT</b>	1.000 ± 0.001 CR		1.000
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>LOT # 1850</b>	LOT #		313101
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>COPPER CONTENT</b>	1.000 ± 0.001 CR		1.001
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>LOT # 2250</b>	LOT #		233307
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>NICKEL CONTENT</b>	1.000 ± 0.001 PPM		1.001
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>LOT # 6450</b>	LOT #		323322
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>GRAMS OF ZINC</b>	1.000 ± 0.001 GM		1.001
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			

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<b>LOT # ZINC AA 1,000 PPM STD</b>		<b>LOT #</b>	318451
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>SELENIUM</b>		1.000 ± 0.001	1.000
		PPM	
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>LOT 8150</b>		<b>LOT #</b>	216604
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>LOT # ALUMINUM AA 1,000 PPM STD</b>		<b>LOT #</b>	309603
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>Iron Content</b>		25.000 ± 0.001	25.001
		PPM	
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>LOT # IRON AA 1,000 PPM STD</b>		<b>LOT #</b>	323321
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>APPEARANCE AND COLOR</b>		CLEAR WATER WHITE	PASS
		APPEARANCE	
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>INSTRUMENTS USED DURING PREPARATION</b>		INSTRUMENT	GC,GP,M115,VF1-Z10
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			
<b>EXPIRATION DATE</b>		MM/DD/YY	03/30/24
		MM/DD/YYYY	
Sample ID			
Tested 09/15/23			
Tester MMAT			
Recorded 09/15/23			



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Date: 09/15/23 at 9:56 AM

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**ALUMINUM CONTENT**

25.000 ± 0.001

25.000

AL

Sample ID

Tested 09/15/23

Tester MMAT

Recorded 09/15/23

**Lot #** 3091132

**Made** 09/15/23

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**