



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

Packaged Product: HOE047F

MIXED METALS SPIKE IN 2% HNO3 + 0.05% HCL (LITER)

Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON	YES		YES
FILE	YES		
Sample ID			
Tested 08/10/23			
Tester MMAT			
Recorded 08/10/23			
CHROMIUM CONTENT	10.000 ± 0.001		10.001
	CR		
Sample ID			
Tested 08/10/23			
Tester MMAT			
Recorded 08/10/23			
LOT # 1850	LOT #		313101
Sample ID			
Tested 08/10/23			
Tester MMAT			
Recorded 08/10/23			
COPPER CONTENT	10.000 ± 0.001		10.000
	CR		
Sample ID			
Tested 08/10/23			
Tester MMAT			
Recorded 08/10/23			
LOT # 2250	LOT #		233307
Sample ID			
Tested 08/10/23			
Tester MMAT			
Recorded 08/10/23			
NICKEL CONTENT	10.000 ± 0.001		10.001
	PPM		
Sample ID			
Tested 08/10/23			
Tester MMAT			
Recorded 08/10/23			
LOT # 6450	LOT #		228504
Sample ID			
Tested 08/10/23			
Tester MMAT			
Recorded 08/10/23			
GRAMS OF ZINC	10.000 ± 0.001		10.001
	GM		
Sample ID			
Tested 08/10/23			
Tester MMAT			
Recorded 08/10/23			

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LOT # ZINC AA 1,000 PPM STD	LOT #	308705
Sample ID		
Tested 08/10/23		
Tester MMAT		
Recorded 08/10/23		
SELENIUM	0.500 ± 0.001	0.500
	PPM	
Sample ID		
Tested 08/10/23		
Tester MMAT		
Recorded 08/10/23		
LOT 8150	LOT #	216604
Sample ID		
Tested 08/10/23		
Tester MMAT		
Recorded 08/10/23		
Iron Content	100.000 ± 0.001	100
	PPM	
Sample ID		
Tested 08/10/23		
Tester MMAT		
Recorded 08/10/23		
LOT # IRON AA 1,000 PPM STD	LOT #	319309
Sample ID		
Tested 08/10/23		
Tester MMAT		
Recorded 08/10/23		
ALUMINUM CONTENT	300.000 ± 0.001	300.000
	AL	
Sample ID		
Tested 08/10/23		
Tester MMAT		
Recorded 08/10/23		
LOT # ALUMINUM AA 1,000 PPM STD	LOT #	309603
Sample ID		
Tested 08/10/23		
Tester MMAT		
Recorded 08/10/23		
APPEARANCE AND COLOR	CLEAR WATER WHITE	PASS
	APPEARANCE	
Sample ID		
Tested 08/10/23		
Tester MMAT		
Recorded 08/10/23		
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT	GC,GP,M108,VF1-Z31
Sample ID		
Tested 08/10/23		
Tester MMAT		
Recorded 08/10/23		



Aqua Solutions, Inc.
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Date: 08/10/23 at 6:06 PM

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EXPIRATION DATE

MM/DD/YY
MM/DD/YYYY

02/28/24

Sample ID

Tested 08/10/23

Tester MMAT

Recorded 08/10/23

Lot # 3080744

Made 08/10/23

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