

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

<b>Packaged Product:</b> SAY004F			
5.0 mg/L 14 Component Mixed Metal Working Solution			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON</b>	YES		YES
<b>FILE</b>	YES		
Sample ID			
Tested 12/27/23			
Tester MMAT			
Recorded 12/27/23			
<b>APPEARANCE AND COLOR</b>	CLEAR TO PALE TAN-BROWN LIQUID APPEARANCE		PASS
Sample ID			
Tested 12/27/23			
Tester MMAT			
Recorded 12/27/23			
<b>INSTRUMENTS USED DURING PREPARATION</b>	INSTRUMENT		M115,VF500-X30,P359,P41
Sample ID			
Tested 12/27/23			
Tester MMAT			
Recorded 12/27/23			
<b>CALCULATED ALUMINUM MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested 12/27/23			
Tester MMAT			
Recorded 12/27/23			
<b>CALCULATED SILICON MG/L NIST</b>	5.00 MG/L	4.90 - 5.10	5.00
Sample ID			
Tested 12/27/23			
Tester MMAT			
Recorded 12/27/23			
<b>CALCULATED VANADIUM MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested 12/27/23			
Tester MMAT			
Recorded 12/27/23			
<b>CALCULATED NICKEL MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested 12/27/23			
Tester MMAT			
Recorded 12/27/23			
<b>CALCULATED IRON MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested 12/27/23			
Tester MMAT			
Recorded 12/27/23			

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<b>CALCULATED ALUMINUM MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested	12/27/23		
Tester	MMAT		
Recorded	12/27/23		
<b>CALCULATED CALCIUM MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested	12/27/23		
Tester	MMAT		
Recorded	12/27/23		
<b>CALCULATED PHOSPHORUS MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested	12/27/23		
Tester	MMAT		
Recorded	12/27/23		
<b>CALCULATED ALUMINUM MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested	12/27/23		
Tester	MMAT		
Recorded	12/27/23		
<b>CALCULATED POTASSIUM MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested	12/27/23		
Tester	MMAT		
Recorded	12/27/23		
<b>CALCULATED LEAD MG/L NIST</b>	5.00 MG/L	4.90 - 5.10	5.00
Sample ID			
Tested	12/27/23		
Tester	MMAT		
Recorded	12/27/23		
<b>CALCULATED MAGNESIUM MG/L NIST</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested	12/27/23		
Tester	MMAT		
Recorded	12/27/23		
<b>CALCULATED MG/L ARSENIC (AS)</b>	5.00 MG/L	4.95 - 5.05	5.00
Sample ID			
Tested	12/27/23		
Tester	MMAT		
Recorded	12/27/23		



Aqua Solutions, Inc.  
Ph: 281-479-2569  
Fax: 281-479-2790  
P.O. Box 70  
Deer Park, TX 77536  
Website: [www.aquasolutions.org](http://www.aquasolutions.org)

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**Customer PO # :**

<b>CALCULATED MG/L COPPER (CU)</b>	5.00	4.95 - 5.05	5.00
	MG/L		

Sample ID

Tested 12/27/23

Tester MMAT

Recorded 12/27/23

**Lot #** 3122036

**Made** 12/27/23

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**