



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

<b>Packaged Product:</b> COR012F			
1.0 ppm Multi-Component AA Standard in 5% Nitric Acid			
Test	Target/UOM	Range	Result
<b>PREPARED TO FORMULATION ON FILE</b>	YES		YES
Sample ID			
Tested 06/27/22			
Tester MMAT			
Recorded 06/27/22			
<b>CALCULATED PPM SILVER (AG)</b>	1.00	0.99 - 1.01	1.00
	PPM MG/L		
Sample ID			
Tested 06/27/22			
Tester MMAT			
Recorded 06/27/22			
<b>CALCULATED PPM ALUMINUM</b>	1.00	0.99 - 1.02	1.00
	MG/L		
Sample ID			
Tested 06/27/22			
Tester MMAT			
Recorded 06/27/22			
<b>CALCULATED PPM ARSENIC</b>	1.00	0.99 - 1.01	1.00
	PPM / MG/L/L		
Sample ID			
Tested 06/27/22			
Tester MMAT			
Recorded 06/27/22			
<b>CALCULATED PPM BORON</b>	1.00	0.99 - 1.01	1.00
	MG/L		
Sample ID			
Tested 06/27/22			
Tester MMAT			
Recorded 06/27/22			
<b>CALCULATED PPM BARIUM</b>	1.00	0.99 - 1.01	1.00
	MG/L		
Sample ID			
Tested 06/27/22			
Tester MMAT			
Recorded 06/27/22			
<b>Calculated ppm Beryllium</b>	1.00	0.99 - 1.01	1.00
	PPM (MG/L)		
Sample ID			
Tested 06/27/22			
Tester MMAT			
Recorded 06/27/22			
<b>CALCULATED PPM CALCIUM</b>	1.00	0.99 - 1.01	1.00
	PPM		
Sample ID			
Tested 06/27/22			
Tester MMAT			
Recorded 06/27/22			



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<b>CALCULATED PPM CADMIUM</b>	1.00	0.99 - 1.01	1.00
	MG/L		
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>Calculated ppm Cobalt</b>	1.00	0.99 - 1.01	1.00
	PPM (MG/L)		
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>CALCULATED PPM CHROMIUM</b>	1.00	0.99 - 1.01	1.00
	PPM		
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>CALCULATED PPM COPPER (CU)</b>	1.00	0.99 - 1.01	1.00
	PPM		
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>PPM IRON (FE)</b>	1.00	0.99 - 1.01	1.00
	PPM		
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>Calculated ppm Mercury</b>	1.00	0.99 - 1.01	1.00
	PPM (MG/L)		
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>CALCULATED PPM POTASSIUM</b>	1.00	0.99 - 1.01	1.00
	MG/L		
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>CALCULATED PPM LITHIUM</b>	1.00	0.99 - 1.01	1.00
	MG/L		
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		



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<b>CALCULATED PPM MAGNESIUM (MG)</b>	1.00 PPM	0.99 - 1.01	1.00
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>CALCULATED PPM MANGANESE</b>	1.00 PPM (UG/ML)	0.99 - 1.01	1.00
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>CALCULATED PPM MOLYBDENUM (MO)</b>	1.00 PPM	0.99 - 1.01	1.00
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>PPM SODIUM</b>	1.00 PPM	0.99 - 1.01	1.00
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>PPM NICKEL</b>	1.00 PPM	0.99 - 1.01	1.00
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>CALCULATED PPM PHOSPHOROUS</b>	1.00 PPM	0.99 - 1.01	1.00
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>PPM OF LEAD</b>	1.00 PPM	0.99 - 1.01	1.00
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		
<b>CALCULATED PPM ANTIMONY (SB)</b>	1.00 PPM	0.99 - 1.01	1.00
Sample ID			
Tested	06/27/22		
Tester	MMAT		
Recorded	06/27/22		



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**Calculated ppm Selenium (Se)** 1.00 0.99 - 1.01 1.00  
 PPM (MG/L)

Sample ID  
 Tested 06/27/22  
 Tester MMAT  
 Recorded 06/27/22

**CALCULATED MG/L SILICA (SI)** 1.00 0.99 - 1.01 1.00  
 MG/L

Sample ID  
 Tested 06/27/22  
 Tester MMAT  
 Recorded 06/27/22

**CALCULATED PPM ANTIMONY (SB)** 1.00 0.99 - 1.01 1.00  
 PPM

Sample ID  
 Tested 06/27/22  
 Tester MMAT  
 Recorded 06/27/22

**Calculated ppm Strontium (Sr)** 1.00 0.99 - 1.01 1.00  
 PPM (MG/L)

Sample ID  
 Tested 06/27/22  
 Tester MMAT  
 Recorded 06/27/22

**CALCULATED PPM TITANIUM (TI)** 1.00 0.99 - 1.01 1.00  
 MG/L

Sample ID  
 Tested 06/27/22  
 Tester MMAT  
 Recorded 06/27/22

**CALCULATED PPM THALLIUM (TL)** 1.00 0.99 - 1.01 1.00  
 PPM (MG/L)

Sample ID  
 Tested 06/27/22  
 Tester MMAT  
 Recorded 06/27/22

**CALCULATED PPM VANADIUM (V)** 1.00 0.99 - 1.01 1.00  
 MG/L

Sample ID  
 Tested 06/27/22  
 Tester MMAT  
 Recorded 06/27/22

**CALCULATED PPM ZINC (ZN)** 1.00 0.99 - 1.01 1.00  
 PPM

Sample ID  
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**TRACEABLE TO N.I.S.T. STANDARD**

YES

YES

YES

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 Recorded 06/27/22

**APPEARANCE AND COLOR**

CLEAR TO LIGHT COLORED

PASS

LIQUID  
 APPEARANCE

Sample ID  
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 Recorded 06/27/22

**INSTRUMENTS USED DURING PREPARATION**

INSTRUMENT

P16,GC,VF1-Z19

Sample ID  
 Tested 06/27/22  
 Tester MMAT  
 Recorded 06/27/22

**EXPIRATION DATE**

MM/DD/YYYY  
 MM/DD/YYYY

06/30/23

Sample ID  
 Tested 06/27/22  
 Tester MMAT  
 Recorded 06/27/22

**Lot #** 2062451

**Made** 06/27/22

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**