



# IAS Laboratories

2515 East University Drive  
Phoenix, Arizona 85034  
(602) 273-7248  
Fax (602) 275-3836

Date Received: March 07, 2023

Work Order: 23C0135

## Sample Results

Sample Name: 003 K Humate

IAS Lab ID: 23C0135-03 (Fertilizer)

	Result	MRL	Units	Method
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### Organic Acids

Fulvic Acid	44.37	<0.01	%	J.M Verploegh, and L.A. Brandvold
Time Analyzed: 3/9/2023 9:30:00AM				
Humic Acid	1.63	<0.01	%	CDFA HA4/JC
Time Analyzed: 3/9/2023 9:30:00AM				

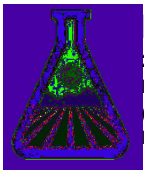
### Chemical Properties

Boron (B)	0.00168	<0.10	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Calcium (Ca)	0.10994	<0.10	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Carbon (C) - Total	4.330	<1.200	%	AOAC 993.13
Time Analyzed: 3/8/2023 12:28:09PM				
Copper (Cu)	0.00078	<0.01	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Iron (Fe)	0.02335	<0.10	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Magnesium (Mg)	0.03308	<0.10	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Manganese (Mn)	0.00121	<0.10	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Molybdenum (Mo)	0.000035	<0.04	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Nitrogen (N) - Total	6.337	<0.400	%	AOAC 993.13
Time Analyzed: 3/8/2023 12:27:14PM				
Phosphorus (P2O5) - Total	12.0160	<0.10	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Potassium (K2O) - Total	10.8150	<0.100	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Sodium (Na)	0.17640	<0.10	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				
Sulfur (S)	0.099	<0.0001	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				

MRL: Minimum Reporting Limit

ND: None Detected

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.  
No duplication of this report is allowed, except in its entirety.

**IAS Laboratories**

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 Phoenix, Arizona 85034  
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Date Received: March 07, 2023

Work Order: 23C0135

**Sample Results**

Sample Name: 003 K Humate (Continued)

IAS Lab ID: 23C0135-03 (Fertilizer)

	Result	MRL	Units	Method
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**Chemical Properties (Continued)**

Zinc (Zn)	0.00089	<0.10	%	EPA 3050B
Time Analyzed: 3/10/2023 1:36:53PM				

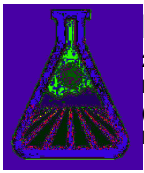
**Physical Properties**

Moisture	53.39	<0.01	%	AOAC 967.03
Time Analyzed: 3/9/2023 9:30:00AM				
Solid	0.61	<0.01	%	AOAC 967.03
Time Analyzed: 3/9/2023 9:30:00AM				

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ND: None Detected

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# IAS Laboratories

2515 East University Drive  
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Date Received: April 11, 2023

Work Order: 23D0172

## Sample Results

Sample Name: 003 K Humate

IAS Lab ID: 23D0172-03 (Fertilizer)

	Result	MRL	Units	Method
<b>Metals</b>				
Arsenic (As)	0.17	<0.10	ppm	EPA 3050B
Time Analyzed: 4/18/2023 12:57:00PM				
Cadmium (Cd)	0.12	<0.10	ppm	EPA 3050B
Time Analyzed: 4/18/2023 12:57:00PM				
Cobalt (Co)	0.16	<0.10	ppm	EPA 3050B
Time Analyzed: 4/18/2023 12:57:00PM				
Lead (Pb)	0.57	<0.10	ppm	EPA 3050B
Time Analyzed: 4/18/2023 12:57:00PM				
Mercury (Hg)	ND	<0.10	ppm	EPA 6020
Time Analyzed: 4/18/2023 12:57:00PM				
Nickel (Ni)	ND	<0.10	ppm	EPA 3050B
Time Analyzed: 4/18/2023 12:57:00PM				
Selenium (Se)	ND	<0.10	ppm	EPA 3050B
Time Analyzed: 4/18/2023 12:57:00PM				
Copper (Cu)	8.31	<0.01	ppm	EPA 3050B
Time Analyzed: 4/18/2023 12:57:00PM				
Molybdenum (Mo)	0.38	<0.04	ppm	EPA 3050B
Time Analyzed: 4/18/2023 12:57:00PM				
Zinc (Zn)	8.80	<0.10	ppm	EPA 3050B
Time Analyzed: 4/18/2023 12:57:00PM				

MRL: Minimum Reporting Limit

ND: None Detected

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