

Proprietary Information Removed

- CERTIFICATE of ANALYSIS -

<b>Product Name:</b>	Fulvic Mineral Powder	<b>Product Number:</b>	Proprietary Information Removed
<b>Country of Origin:</b>	United States	<b>Batch Number:</b>	23080
<b>Handling Instructions:</b>	See MSDS attached	<b>Date of Manufacture:</b>	03/21/2023
<b>Proprietary Information Removed</b>		<b>Expiration Date:</b>	03/2028
<b>Packaging:</b>	1 / 5 / 10 / 25 / 90 Kilograms	<b>Lab Report Numbers:</b>	246685-02, 23D0120-01
		<b>Test Completion Date(s):</b>	04/14/2023, 4/12/2023

Physical Data:	Specification	Result	Per Unit	Method
% Soluble	100	100	%	Standard
pH (5% solution)	7.0-9.0	8.08	N/A	EPA 150.1
Water Activity (Aw)	< 0.86	0.073	N/A	AOAC 978.18
Sample Type:	Brown Powder	Conforms	N/A	Physical/Visual
Fulvic Acid: (%)	> 30 %	33.22	%	J AOAC, 97 (3): 721-730/L IHSS/LAMAR/AOAC

Minerals	Specification ppm	Result	Per Unit	Method
Calcium	1,000 - 10,000	1,640	ppm	ICP-OES USP <730>
Iron	1,500 - 10,000	1,940	ppm	ICP-OES USP <730>
Magnesium	100 -4,500	415	ppm	ICP-OES USP <730>
Potassium	15,000 - 35,000	23,200	ppm	ICP-OES USP <730>
Sodium	10,000 - 60,000	54,000	ppm	ICP-OES USP <730>
Sulfur	25,000 - 85,000	71,600	ppm	ICP-OES USP <730>

Heavy Metals	Specification ppm	Result	Per Unit	Method
Arsenic	< 2	0.171	ppm	ICP-MS USP <730>
Cadmium	< 0.5	0.160	ppm	ICP-MS USP <730>
Lead	< 2	0.146	ppm	ICP-MS USP <730>
Mercury	<0.10	0.017	ppm	ICP-MS USP <730>

Microbiology:	Specification	Result	Per Unit	Method
Total Aerobic Microbial Count	< 10,000	< 10	CFU/g	USP <2021>
Coliform Count	< 3	< 3	MPN/g	FDA BAM
E. Coli Count	< 3	< 3	MPN/g	FDA BAM
Salmonella	Absent per 25 g	Absent	per 25 g	USP <2022>
Staphylococcus	Absent per 10 g	Absent	per 10 g	USP <2022>
Yeast	< 100	<10	CFU/g	USP <2021>
Mold	< 100	< 10	CFU/g	USP <2021>

Quality Unit Release Date: 04/26/2023

Proprietary Information Removed

Proprietary Information Removed

Proprietary Information  
Removed

## Fulvic Mineral Nutraceutical Powder

**Product Number:** Proprietary Information Removed

**pH:** 7.0 - 9.0

**Fulvic Acid Content:** 40% as validated by Lamar et al., 2014 (JAOAC 97(3): 721-730) standardized quantification method for fulvic acid.

**Dense Molecular Complex:** 60% polyphenol flavonoid antioxidants, organic acids, amino acids, trace minerals, and electrolytes.

**Recommended use:**

A functional ingredient to enhance powdered formulations, functional foods and body care products.

Adds essential micronutrients. Up to 100 mg for a daily dose.

To activate a formula (increase the bioavailability) 12-24mg avg.

May also be used as a stand-alone product.

May be used in capsules, tablets, oils and creams.

Not recommended for beverages.

Balanced ratio of sodium to potassium.

**Description:** A finely milled high fulvic acid, trace mineral nutraceutical powder that is 100% soluble with a neutral pH base. Smoky pleasant taste and aroma. It is a combination of two Proprietary Info Removed products followed by a dehydration process. It is stable when added to neutral pH liquids or high pH liquids. If the powder is added to a low pH liquid (pH 2.0 -3.0) precipitation may result over time.

Contains polyphenol micronutrients (plant biochemicals) such as organic acids, minerals, electrolytes, fulvic acid, minerals, trace minerals, electrolytes, amino acids, organic acids, and flavanones, (antioxidants).

Proprietary Information Removed