

- CERTIFICATE of ANALYSIS -

<b>Product Name:</b>	Fulvic Mineral Powder	<b>Product Number:</b>	HHFMP8090120
<b>Country of Origin:</b>	United States	<b>Batch Number:</b>	<b>23171</b>
<b>Handling Instructions:</b>	See MSDS attached	<b>Date of Manufacture:</b>	06/20/2023
<b>Laboratory FDA Registration Number:</b>	11405908668	<b>Expiration Date:</b>	06/2028
<b>Mineral Logic FDA Registration Number:</b>	18395658198	<b>Lab Report Numbers:</b>	251811-01, 23G0090-01
<b>Packaging:</b>	1 / 5 / 10 / 25 / 90 Kilograms	<b>Test Completion Date(s):</b>	8/22/2023, 7/17/2023

Physical Data:	Specification	Result	Per Unit	Method
% Soluble	100	100	%	Standard
pH (5% solution)	7.0-9.0	8.04	N/A	EPA 150.1
Water Activity (Aw)	< 0.86	0.078	N/A	AOAC 978.18
Sample Type:	Brown Powder	Conforms	N/A	Physical/Visual
Fulvic Acid: (%)	> 35 %	42.92	%	J AOAC, 97 (3): LAMAR

Minerals	Specification ppm	Result	Per Unit	Method
Calcium	1,000 - 10,000	1,250	ppm	ICP-OES USP <730>
Iron	1,500 - 10,000	2,290	ppm	ICP-OES USP <730>
Magnesium	100 -4,500	463	ppm	ICP-OES USP <730>
Potassium	15,000 - 35,000	28,100	ppm	ICP-OES USP <730>
Sodium	10,000 - 60,000	55,600	ppm	ICP-OES USP <730>
Sulfur	25,000 - 85,000	81,900	ppm	ICP-OES USP <730>

Heavy Metals	Specification ppm	Result	Per Unit	Method
Arsenic	< 2	0.234	ppm	ICP-MS USP <730>
Cadmium	< 0.5	0.132	ppm	ICP-MS USP <730>
Lead	< 2	0.108	ppm	ICP-MS USP <730>
Mercury	<0.10	<0.001	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: 09/07/2023

Released by:



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