

June 21 2021  
Expedient June 2024

## CERTIFICATE OF ANALYSIS

**Product Name:** Black Fulvic Acid Liquid (HF2000)

**Lot#:** HF00042W2

**PO #:** NA

<b>Manufacturing date</b>	March 8 <sup>th</sup> 2021	<b>Release Date</b>	March 21st 2021
<b>Expiration Date</b>	March 7 <sup>th</sup> 2024	<b>Batch size</b>	300 Gallons (1,200 L)
<b>Package</b>	Various	<b>Package size</b>	Various
<b>Ref Pharmacopoeia</b>	NA	<b>Quantity</b>	55 gallons

Test Item*	Specification	Result
Appearance	Dark to black liquid	Dark to black liquid
Vaporization point	428 °F (220 °C)	428 °F (220 °C)
Identification	Fulvic/Humic Acids (food)	Fulvic/Humic Acids
Appearance of solution	Dark rich color	Dark rich color
pH	12-13	11.50
Loss on drying	NA	NA
Sulphated ash	<0.1%	0.01%
Heavy metals	<1 ppm	<1 ppm
Related substances	<1 %	<1%
Fulvic Acid (Calculated)	25%	25%
Humic Acid (Calculated)	22%	22%

Microbiology Tests	Specifications	Result
Total Plate Count	Negative	Negative
Yeast	Negative	Negative
Mold	Negative	Negative
Coliforms	Negative	Negative
Salmonella	Negative	Negative
Shigella	Negative	Negative
Staphylococcus aureus	Negative	Negative

**Conclusion:** Conforms to organic food standards.

**Prepared by:**



**QA Manager:**



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