

Certificate of Analysis

Product	Organic Cordyceps sinensis	Botanical Source	<i>Cordyceps sinensis</i>
Lot Number	CS020519	Product Code	CS*.FS
Date of Manufacture	2-May-19	Re-Evaluation Date	2-May-24
Active Ingredients	100% Organic Cordyceps sinensis		
Plant Part Used	Mushroom		
Origin	USA	Tapped Density	0.73 g/ml
Partical size	90% pass through 60 mesh*	Bulk Density	0.50 g/ml
Storage Recommendations	Store in a tightly closed container. Avoid extreme variations in temperature		

Analysis	Specification	Result	Method
Appearance / Color**	Light Brown Powder	Complies	Visual
Odor	Characteristic	Characteristic	Organoleptic
Taste	Characteristic	Characteristic	Organoleptic
Identification	Positive	Positive	FTIR/HPTLC
Moisture	<7%	4.59%	AOAC 930.15
Total Plate Count	≤ 100,000 cfu/g	4,800 cfu/g	AOAC 990.12
Yeast & Mold	≤ 500 cfu/g	<10 cfu/g	AOAC 997.12/AOAC 2014.05
Total Coliform Bacteria	≤ 500 cfu/g	<10 cfu/g	USP <61>
E.coli	Negative	Negative in 10g	USP <62>
Salmonella spp.	Negative	Negative in 10g	USP <62>
S.aureus	Negative	Negative in 10g	USP <62>
Arsenic	< 3 ppm	<0.10 ppm	ICP-MS
Cadmium	< 1 ppm	<0.050 ppm	ICP-MS
Lead	< 1 ppm	<0.010 ppm	ICP-MS
Mercury	< 0.1 ppm	<0.020 ppm	ICP-MS
Total Polysaccharide Content	≥ 50 %	77.77%	AMI/PS.02.3
1,3-1,6 Beta Glucan Content	≥ 15 %	31.96%	AMI/PS.02.3
Alpha Glucan Content	≤ 5 %	0.95%	AMI/PS.02.3
Adenosine	Informational Only	0.144 mg/g	HPLC/MS
Cordycepin	0.02 mg/g minimum	0.247 mg/g	HPLC/MS
Adenine	Informational Only	0.107 mg/g	HPLC/MS
Hydroxyethyl-adenosine	Informational Only	0.039 mg/g	HPLC/MS
Ethyl-adenosine	Informational Only	0.014 mg/g	HPLC/MS
Mannitol	Informational Only	33.29 mg/g	Hyd-GC/MS

Product is not exposed to pesticides during manufacture

No solvents are used in the manufacture of this product

*Material milled through 60 mesh sieve

**This is a natural product. Color may vary between each lot due to crop fluctuation and harvest

I certify that this certificate is true and correct to the best of my knowledge

Quality Control
Aloha Medicinals

Date of Issue: 10/28/2020

