

Certificate of Analysis

Product	Organic Cordyceps sinensis	Botanical Source	<i>Cordyceps sinensis</i>
Lot Number	CS050618U	Product Code	CS*.FS
Date of Manufacture	5-Jun-18	Re-Evaluation Date	5-Jun-23
Active Ingredients	100% Cordyceps sinensis		
Plant Part Used	Mycelium, primordia, fruiting bodies, and extracellular compounds		
Origin	USA	Tapped Density	0.848 g/ml
Partical size	90% pass through 60 mesh*	Bulk Density	0.559 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%	2.91%	AOAC 930.15
Total Plate Count	≤ 100,000 cfu/g	800 cfu/g	AOAC 990.12
Yeast & Mold	≤ 500 cfu/g	<10 cfu/g	AOAC 997.12
Total Coliform Bacteria	≤ 500 cfu/g	50 cfu/g	USP <61>
E.coli	Negative	Negative	USP <62>
Salmonella spp.	Negative	Negative	USP <62>
S.aureus	Negative	Negative	USP <62>
<i>Clostridium perfringens</i>	<10 cfu/g	<10 cfu/g	USP <62> CMMEF APHA CHP 33,FDA BAM, ONLINE CHP 16
Arsenic	< 3 ppm	<0.10 ppm	ICP-MS
Cadmium	< 1 ppm	<0.050 ppm	ICP-MS
Lead	< 1 ppm	0.011 ppm	ICP-MS
Mercury	< 0.1 ppm	<0.020 ppm	ICP-MS
Total Polysaccharide Content	≥ 50 %	80.02%	AMI/PS.02.3
1,3-1,6 Beta Glucan Content	≥ 15 %	34.20%	AMI/PS.02.3
Alpha Glucan Content	≤ 5 %	1.43%	AMI/PS.02.3
Adenosine	Informational Only	0.154 mg/g	HPLC/MS
Cordycepin	0.02 mg/g minimum	0.292 mg/g	HPLC/MS
Adenine	Informational Only	0.021 mg/g	HPLC/MS
Hydroxyethyl-adenosine	Informational Only	0.034 mg/g	HPLC/MS
Ethyl-adenosine	Informational Only	0.011 mg/g	HPLC/MS
Mannitol	Informational Only	24.76 mg/g	Hyd-GC/MS

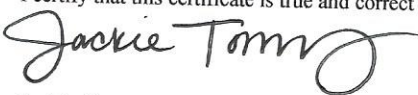
Product is not exposed to pesticides during manufacture

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



Jackie Tomaroy
Quality Control
Aloha Medicinals

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