

Certificate of Analysis

Product	Organic Cordyceps sinensis	Botanical Source	<i>Cordyceps sinensis</i>
Lot Number	CS090519	Product Code	CS.FS
Date of Manufacture	9-May-19	Re-Evaluation Date	9-May-24
Active Ingredients	100% Cordyceps sinensis		
Plant Part Used	Mycelium, primordia, fruiting bodies, and extracellular compounds		
Origin	USA	Tapped Density	0.812 g/ml
Partical size	90% pass through 60 mesh*	Bulk Density	0.520 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%	3.93%	AOAC 930.15
Total Plate Count	≤ 100,000 CFU/g	6,000 CFU/g	AOAC 990.12
Yeast & Mold	≤ 500 CFU/g	<10 CFU/g	AOAC 997.05 / AOAC 2014.05
Coliform	≤ 500 CFU/g	<10 CFU/g	USP <61>
E.coli	Negative	Negative	USP <62>
Salmonella spp.	Negative	Negative	USP <62>
S.aureus	Negative	Negative	USP <62>
Clostridium spp	Negative	Negative in 1 g	USP <62>
Arsenic	< 3 ppm	<0.10 ppm	ICP-MS
Cadmium	< 1 ppm	<0.050 ppm	ICP-MS
Lead	< 1 ppm	0.018 ppm	ICP-MS
Mercury	< 1ppm	<0.020 ppm	ICP-MS
Total Polysaccharide Content	≥ 50 %	77.49%	AMI/PS.02.3
1,3-1,6 Beta Glucan Content	≥ 15 %	31.49%	AMI/PS.02.3
Alpha Glucan Content	≤ 5 %	1.05%	AMI/PS.02.3
Adenosine	Informational Only	0.183 mg/g	HPLC/MS
Cordycepin	0.02 mg/g minimum	0.220 mg/g	HPLC/MS
Adenine	Informational Only	0.037 mg/g	HPLC/MS
Hydroxyethyl-adenosine	Informational Only	0.026 mg/g	HPLC/MS
Ethyl-adenosine	Informational Only	0.017 mg/g	HPLC/MS
Mannitol	Informational Only	31.82 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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