

# Certificate of Analysis

<b>Product</b>	Organic <i>Cordyceps sinensis</i> Unroasted	<b>Botanical Source</b>	<i>See active ingredients</i>
<b>Lot Number</b>	CS030924U	<b>Product Code</b>	CSU
<b>Date of Manufacture</b>	3-Sep-24	<b>Best By Date</b>	3-Sep-29
<b>Plant Part Used</b>	Mushroom - Mycelia*	<b>Particle Size</b>	90% through 60 mesh
<b>Active Ingredients</b>	<i>Cordyceps sinensis</i>		60% through 100 mesh
<b>Growing Substrate</b>	Organic Milo (Sorghum)	<b>Tapped Density</b>	0.71 g/ml
<b>Origin</b>	USA	<b>Bulk Density</b>	0.52 g/ml
<b>Storage Recommendation</b>	Store in a tightly closed container. Avoid extreme variations in temperature		

Analysis	Specification	Result	Method
Appearance / Color**	Brown Powder	Complies	Visual
Odor	Characteristic	Characteristic	Organoleptic
Taste	Characteristic	Characteristic	Organoleptic
Identification	Positive	Positive	FTIR/HPTLC/Annual DNA
Moisture	≤ 7%	2.89%	AOAC 930.15 / AOAC 964.22 / LOD
Total Plate Count	≤ 100,000 CFU/g	44,000 CFU/g	AOAC 966.23
Yeast & Mold	< 1,000 CFU/g	360 CFU/g	FDA BAM Chapter 18
Coliform	≤ 500 CFU/g	<10 CFU/g	AOAC 991.14
E.coli	Negative / 10g	Negative / 10g	USP <62> / AOAC 991.14
Salmonella spp.	Negative / 25g	Negative / 25g	USP <62> / AOAC 2004.03
S.aureus	Negative / 10g	Negative / 10g	USP <62> / AOAC 975.55
<i>Listeria</i>	Negative / 25g	Negative / 25g	AOAC 2004.06
Arsenic	< 3 ppm	<0.01 ppm	ICP-MS
Cadmium	< 1 ppm	0.021 ppm	ICP-MS
Lead	< 1 ppm	0.01 ppm	ICP-MS
Mercury	< 0.1 ppm	<0.005 ppm	ICP-MS
Total Polysaccharide Content	≥50.0%	50.0%	KYGBL
1,3-1,6 Beta Glucan Content	≥25.0%	47.5%	KYGBL
Alpha Glucan Content	≤10.0%	2.5%	KYGBL

\*Growing substrate Sorghum

\*\*This is a natural product. Color may vary between each lot due to crop fluctuation, treatment, and harvest  
Aloha Medicinals tests all incoming Sorghum lots for Heavy Metals and uses the results from the Sorghum to report on the finished goods COA. Sorghum, the base substrate is the only potential source of Heavy Metals contamination.

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

*Jackie Tomaroy*

Jackie Tomaroy  
Quality & Food Safety Manager  
Aloha Medicinals  
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