

# Certificate of Analysis

<b>Product</b>	Organic <i>Cordyceps</i> Super	<b>Botanical Source</b>	<i>Cordyceps</i>
<b>Lot Number</b>	CX140519	<b>Product Code</b>	CX*FS
<b>Date of Manufacture</b>	14-May-19	<b>Best By Date</b>	14-May-25
<b>Active Ingredients</b>	100% <i>Cordyceps</i>		
<b>Plant Part Used</b>	Mushroom		
<b>Origin</b>	USA	<b>Tapped Density</b>	0.64 g/ml
<b>Partical size</b>	90% pass through 60 mesh	<b>Bulk Density</b>	0.51 g/ml
<b>Storage Recommendations</b>	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%	6.24%	AOAC 930.15
Total Plate Count	≤ 100,000 CFU/g	70 CFU/g	AOAC 990.12
Yeast & Mold	≤ 500 CFU/g	< 10 CFU/g	AOAC 2014.05
Coliform	≤ 500 CFU/g	30 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	<0.05 ppm	ICP-MS
Cadmium**	<1 ppm	<0.05 ppm	ICP-MS
Lead**	<1 ppm	0.097 ppm	ICP-MS
Mercury**	<0.1 ppm	<0.01 ppm	ICP-MS
Total Polysaccharide Content	≥ 50 %	50.78%	AMI/PS.02.3
1,3-1,6 Beta Glucan Content	≥ 15 %	21.29%	AMI/PS.02.3
Alpha Glucan Content	≤ 5 %	0.08%	AMI/PS.02.3
Adenosine**	Informational Only	0.136 mg/g	HPLC/MS
Cordycepin**	0.02 mg/g minimum	0.174 mg/g	HPLC/MS
Adenine**	Informational Only	0.015 mg/g	HPLC/MS
Hydroxyethyl-adenosine**	Informational Only	0.018 mg/g	HPLC/MS
Ethyl-adenosine**	Informational Only	0.017 mg/g	HPLC/MS
Mannitol**	Informational Only	16.11 mg/g	Hyd-GC/MS

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

Note: Please be advised that due to the nature of our product matrix its been determined that Aerobic Plate Count (aka TPC) should be tested via "pour plate" method (AOAC 966.23)."

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



Courtney Staffen  
Document Controller  
Aloha Medicinals  
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