

Certificate of Analysis



Product Name **Organic Cordyceps**
 Lot Number CSS130715
 Manufacturing Date July 2015
 Expiration Date July 2018
 Parts Used **Whole / Full Spec Myco™**: Consists of mycelium, fruit body, primordia, spores and extracellular compounds produced throughout entire life cycle.

Physical Test	Release Limits	Test Results	Test Method
Appearance	Brown powder	Pass	Visual
Odor	Characteristic	Pass	Organoleptic

Analytical Analysis

Test Description	Release Limits	Test Results	Test Method
Identification	Positive	Positive	FTIR
Moisture	<7%	4.20%	AOAC 930.15
Total Polysaccharide Content	>30%	84%	AMI/PS.02.3
1,3-1,6 Beta Glucan Content	>15%	33%	AMI/PS.02.3
Alpha Glucan Content	<10%	1.2%	AMI/PS.02.3
Protein Bound Polysaccharides		10.2%	AMI/PS.02.3
Free Polysaccharides		39.4%	AMI/PS.02.3
Adenosine		0.214 mg/g	HPLC/MS
Cordycepin		0.429 mg/g	HPLC/MS
Adenine		0.034 mg/g	HPLC/MS
Hydroxyethyl-adenosine		0.026 mg/g	HPLC/MS
Ethyl-adenosine		0.017 mg/g	HPLC/MS
Mannitol		51.22 mg/g	Hyd-GC/MS

Microbiological Analysis

Test Description	Release Limits	Test Results	Test Method
Total Plate Count	<10,000 cfu/g	120 cfu/g	AOAC 966.23
Yeast and Mold	<500 cfu/g	<10 cfu/g	FDA BAM
Total Coliform Bacteria	<30 MPN/g	<3 MPN/g	AOAC 966.24
E. Coli	<3 MPN/g	<3 MPN/g	AOAC 988.19
Salmonella	Negative per 25 grams	Negative	Modified AOAC 998.09
Staphylococcus Count	<10 cfu/g	<10 cfu/g	AOAC 2003.07

Heavy Metals

Test Description	Release Limits	Test Results	Test Method
(As) Arsenic	<10 ppm	<0.001 ppm	ICP-MS USP <730>
(Cd) Cadmium	<4.1 ppm	0.011 ppm	ICP-MS USP <730>
(Pb) Lead	<10 ppm	0.037 ppm	ICP-MS USP <730>
(Hg) Mercury	<2 ppm	0.006 ppm	ICP-MS USP <730>

Origin: USA - Cultivated in sterile tissue culture

Store away from light in tightly closed containers.

Avoid excessive heat

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

Krysta Froberg

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Quality Control

Aloha Medicinals, Inc.

Date of Issue: August 10, 2015

