

Certificate of Analysis



Product Name **Organic Cordyceps**
 Lot Number CSS130815
 Manufacturing Date August 2015
 Expiration Date August 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%	3.84%	AOAC 930.15
Total Polysaccharide Content	≥30%	85%	AMI/PS.02.3
1,3-1,6 Beta Glucan Content	≥15%	31%	AMI/PS.02.3
Alpha Glucan Content	≤10%	1.3%	AMI/PS.02.3
Protein Bound Polysaccharides		12.4%	AMI/PS.02.3
Free Polysaccharides		39.8%	AMI/PS.02.3
Adenosine		0.172 mg/g	HPLC/MS
Cordycepin		0.239 mg/g	HPLC/MS
Adenine		0.018 mg/g	HPLC/MS
Hydroxyethyl-adenosine		0.016 mg/g	HPLC/MS
Ethyl-adenosine		0.011 mg/g	HPLC/MS
Mannitol		47.29 mg/g	Hyd-GC/MS

Microbiological Analysis			
Test Description	Release Limits	Test Results	Test Method
Total Plate Count	≤10,000 cfu/g	<10 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	0.027 ppm	ICP-MS USP <730>
(Cd) Cadmium	<4.1 ppm	0.009 ppm	ICP-MS USP <730>
(Pb) Lead	<10 ppm	0.062 ppm	ICP-MS USP <730>
(Hg) Mercury	<2 ppm	0.001 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.

Stephanie Manara

Stephanie Manara
 Quality Control
 Aloha Medicinals, Inc.
 Date of Issue: September 3, 2015

