

**Certificate of Analysis**



Product Name **Pure Organic Full Spectrum Cordyceps sinensis**  
 Lot Number CSS241011  
 Manufacturing Date October 2011  
 Expiration Date October 2014  
 Particle Size 90% through 60 mesh

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
Moisture	<7%	Pass	AMI moisture content analysis
Total Polysaccharide Content	>30%	41%	Modified Megazyme Method
1,3-1,6 Beta Glucan Content	>15%	34%	Modified Megazyme Method
Alpha Glucan Content	<10%	1.1%	Modified Megazyme Method
Adenosine Content		0.117 mg/g	MW 264.24
Cordycepin Content		0.394 mg/g	MW 251.24
Adenine Content		0.106 mg/g	MW 135.13
Hydroxyethyl-Adenosine		0.055 mg/g	MW 311.12
Ethyl-Adenosine Content		0.037 mg/g	MW 295.12

Microbiological Analysis			
Test Description	Release Limits	Test Results	Test Method
Total Plate Count	<10,000 cfu/g	20 cfu/g	AOAC 966.23
Yeast and Mold	<100 cfu/g	Below Limits of Detection	BAM Chapter 18
Total Coliform Bacteria	<30 MPN/g	Below Limits of Detection	AOAC 966.24
E. Coli	<3 MPN/g	Negative	AOAC 988.19
Salmonella	Negative	Negative	AOAC 2003.09

\*\* Below Limits of Detection Equals a Negative Test Result

Heavy Metals			
Test Description	Release Limits	Test Results	Test Method
Lead	<b>Total of the heavy metals</b>	0.06 ppm	All metals tested by method:
Mercury	<b>not to exceed 10 ppm</b>	Below Limits of Detection	AOAC method 986.15,
Cadmium	<b>and no single metal</b>	0.02 ppm	modified for ICP-MS
Arsenic	<b>to exceed 5 ppm</b>	0.02 ppm	

Origin: USA - Cultivated in sterile tissue culture - 100% USDA Organic

Store in a cool dry place away from light in tightly closed containers.

Avoid moisture and extreme variations in temperature.

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

Liza Alvarez  
 QC Compliance Officer  
 Aloha Medicinals, Inc.

Date of Issue: November 28, 2011

