

**Certificate of Analysis**

Product Name **Cordyceps Capsules**  
 Lot Number 280915-CST1  
 Packagaing Plastic bottles of 90 capsules  
 Manufacturing Date September 2015  
 Expiration Date September 2018  
 Active Ingredients per Serving 1500mg Organic Cordyceps



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

Analytical Analysis			
Test Description	Release Limits	Test Results	Test Method
Moisture	<7%	2.02%	AOAC 930.15
Total Polysaccharide Content	≥30%	74%	AMI/PS.02.3
1,3-1,6 Beta Glucan Content	≥15%	27%	AMI/PS.02.3
Alpha Glucan Content	≤10%	1.3%	AMI/PS.02.3
Protein Bound Polysaccharides		11.1%	AMI/PS.02.3
Free Polysaccharides		34.3%	AMI/PS.02.3
Adenosine		0.237 mg/g	HPLC/MS
Cordycepin		0.361 mg/g	HPLC/MS
Adenine		0.056 mg/g	HPLC/MS
Hydroxyethyl-adenosine		0.063 mg/g	HPLC/MS
Ethyl-adenosine		0.020 mg/g	HPLC/MS
Mannitol		42.85 mg/g	Hyd-GC/MS

Microbiological Analysis			
Test Description	Release Limits	Test Results	Test Method
Total Plate Count	<10,000 CFU/g	Below Limits of Detection	Neogen Soleris NF-TVC
Yeast and Mold	<500 CFU/g	Below Limits of Detection	Neogen Soleris DYM
Total Coliform Bacteria	<3 MPN/g	Below Limits of Detection	Neogen Soleris
E. Coli	Absent in 10g	Below Limits of Detection	Neogen Soleris
Staphylococcus Count	<10 cfu/g	Below Limits of Detection	Neogen Soleris
Salmonella	Negative	Negative	Neogen Soleris

Heavy Metals			
Test Description	Release Limits	Test Results	Test Method
(As) Arsenic	<10 ppm	0.054 ppm	ICP-MS USP <730>
(Cd) Cadmium	<4.1 ppm	0.091 ppm	ICP-MS USP <730>
(Pb) Lead	<10 ppm	0.022 ppm	ICP-MS USP <730>
(Hg) Mercury	<2 ppm	0.013 ppm	ICP-MS USP <730>

Origin: USA - Cultivated in sterile tissue culture - USDA Organic  
 Avoid moisture and extreme variations in temperature.

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

Krysta Froberg  
 Quality Control  
 Aloha Medicinals, Inc.  
 Date of Issue: February 11, 2016

