

**Certificate of Analysis**



Product Name **Pure Organic Full Spectrum *Ganoderma lucidum***  
 Lot Number GL030413  
 Manufacturing Date April 2013  
 Expiration Date April 2016  
 Particle Size Minimum 98% through 60 mesh  
 Parts Used **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
Moisture	<7%	1.87%	Denver IR-200
Total Polysaccharide Content	>30%	32%	Modified Megazyme Method
1,3-1,6 Beta Glucan Content	>15%	23%	Modified Megazyme Method
Alpha Glucan Content	<10%	1.9%	Modified Megazyme Method

Microbiological Analysis			
Test Description	Release Limits	Test Results	Test Method
Total Plate Count	<10,000 cfu/g	50 cfu/g	AOAC 966.23
Yeast and Mold	<100 cfu/g	< 10 cfu/g	BAM Chapter 18
Total Coliforms Bacteria	<30 MPN/g	Below limits of detection**	AOAC 991.14
E. Coli	<3 MPN/g	Below limits of detection**	AOAC 991.14
Salmonella spp.	Negative	Negative**	AOAC 998.09

Heavy Metals			
Test Description	Release Limits	Test Results	Test Method
Lead	<b>Total of the heavy metals not to exceed 10 ppm and no single metal to exceed 5 ppm</b>	0.091 ppm	ICP-MS <730>
Mercury		0.004 ppm	ICP-MS <730>
Cadmium		0.020 ppm	ICP-MS <730>
Arsenic		0.046 ppm	ICP-MS <730>

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

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.

Rafael Sanchez  
 QC Compliance Officer  
 Aloha Medicinals, Inc.  
 Date of Issue: May 03, 2013

