

**Certificate of Analysis**



Product Name **Pure Organic Full Spectrum *Ganoderma lucidum* (Reishi)**  
 Lot Number GL230713  
 Manufacturing Date July 2013  
 Expiration Date July 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%	1.31%	CompuTrac 2000
Total Polysaccharide Content	>30%	31%	Modified Megazyme Method
1,3-1,6 Beta Glucan Content	>15%	21%	Modified Megazyme Method
Alpha Glucan Content	<10%	1.4%	Modified Megazyme Method

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	BAM Ch 18
Total Coliforms Bacteria	<30 MPN/g	< 3 MPN/g	AOAC 966.24
E. Coli	<3 MPN/g	< 3 MPN/g	AOAC 988.19
Salmonella spp.	Negative per 25 grams	Negative	AOAC 998.09
Staphylococcus Count	< 10 cfu/g	< 10 cfu/g	AOAC 2003.07

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>	0.042 ppm	All metals tested by method: ICP-MS USP <730>
Mercury		0.003 ppm	
Cadmium		0.015 ppm	
Arsenic		0.653 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.

*K.M. Froberg*

Krysta M Froberg  
 Quality Control Manager  
 Aloha Medicinals, Inc.  
 Date of Issue: August 12, 2013

