

Certificate of Analysis

Product Name **Pure Chaga Gold**
 Lot Number CG290611
 Manufacturing Date June 2011
 Expiration Date June 2014
 Proprietary blend of US Wild Chaga and cultivated organic Chaga

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%	38%	Modified Megazyme Method
1,3-1,6 Beta Glucan Content	>15%	24%	Modified Megazyme Method
Alpha Glucan Content	<10%	0.8%	Modified Megazyme Method
Betulinic Acid		1.09%	GC-MS

Microbiological Analysis			
Test Description	Release Limits	Test Results	Test Method
Total Plate Count	<10,000 cfu/g	160 cfu/g	AOAC 966.23
Yeast and Mold	<100 cfu/g	Below Limits of Detection	BAM Online
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	Total of the heavy metals not to exceed 10 ppm and no single metal to exceed 5 ppm	0.2 ppm	All metals tested by method: AOAC method 986.15, modified for ICP-MS
Mercury		Not Detected	
Cadmium		0.2 ppm	
Arsenic		0.07 ppm	

Origin: USA

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: July 14, 2011

