

**Certificate of Analysis**



Product Name **GanoSuper Extract**  
 Lot Number GLX120815  
 Manufacturing Date August 2015  
 Expiration Date August 2018  
 Blend of *Ganoderma lucidum* (50%) , *Ganoderma applanatum* (25%), and *Ganoderma tsugae* (25%)  
 Produced through a proprietary extraction and purification process.  
 Solubility 62% water soluble - 38% micronized smaller than 40 micron

Physical Test	Release Limits	Test Results	Test Method
Appearance	Brown to tan powder	Pass	Visual
Odor	Characteristic	Pass	Organoleptic

Analytical Analysis Test Description	Release Limits	Test Results	Test Method
Identification	Match to Standard	Positive	FTIR
Moisture	≤7%	3.21%	AOAC 930.15
Total Polysaccharide Content	≥30%	59%	AMI/PS.02.3
1,3-1,6 Beta Glucan Content	≥15%	22%	AMI/PS.02.3
Alpha Glucan Content	≤10%	0.8%	AMI/PS.02.3
Protein/peptide bound polysaccharides		70.07 mg/g	AMI/PS.02.3
Free polysaccharides		284.3 mg/g	AMI/PS.02.3

Microbiological Analysis Test Description	Release Limits	Test Results	Test Method
Total Plate Count	≤10,000 cfu/g	77 cfu/g	AOAC 966.23
Yeast and Mold	≤500 cfu/g	<10 cfu/g	FDA BAM
Total Coliform Bacteria	≤30 MPN/g	<3 MPN/g	AOAC 966.24
E. Coli	Absent per 10 grams	Absent	USP <2022>
Staphylococcus Count	Absent per 10 grams	Absent	USP <2022>
Salmonella	Negative per 25 grams	Negative	Modified AOAC 998.09

Heavy Metals Test Description	Release Limits	Test Results	Test Method
Lead	<10 ppm	0.061 ppm	ICP-MS USP <730>
Mercury	<2 ppm	0.002 ppm	ICP-MS USP <730>
Cadmium	<4.1 ppm	0.012 ppm	ICP-MS USP <730>
Arsenic	<10 ppm	<0.001 ppm	ICP-MS USP <730>

Origin: USA - Cultivated in sterile tissue culture  
 Store away from light in tightly closed containers.  
 Avoid excessive heat or cold

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

*Stephanie Manara*

Stephanie Manara  
 Quality Control  
 Aloha Medicinals, Inc.  
 Date of Issue: November 10, 2015

