

**Certificate of Analysis**



Product Name **Organic Full Spectrum *Grifola frondosa***  
 Lot Number GF300915  
 Manufacturing Date September 2015  
 Expiration Date September 2018  
 Particle Size Minimum 98% through 60 mesh  
 Parts used **Whole / 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
Identification	Positive	Positive	FTIR
Moisture	≤7%	2.11%	AOAC 930.15
Total Polysaccharide Content	≥30%	67%	AMI/PS.02.3
Protein Bound Polysaccharides		9.56%	AMI/PS.02.3
Free Polysaccharides		33.00%	AMI/PS.02.3
1,3-1,6 Beta Glucan Content	≥15%	24%	AMI/PS.02.3
Alpha Glucan Content	≤10%	0.6%	AMI/PS.02.3

**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	FDA BAM
Staphylococcus Count	≤10 cfu/g	<10 cfu/g	AOAC 2003.07
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	Modified AOAC 998.09

**Heavy Metals**

Test Description	Release Limits	Test Results	Test Method
(As) Arsenic	< 10 ppm	<0.001 ppm	ICP-MS USP <730>
(Cd) Cadmium	< 4.1 ppm	0.080 ppm	ICP-MS USP <730>
(Pb) Lead	< 10 ppm	0.018 ppm	ICP-MS USP <730>
(Hg) Mercury	< 2 ppm	0.003 ppm	ICP-MS USP <730>

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

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: October 20, 2015



