



## CERTIFICATE OF ANALYSIS

Product Name: Chitosan Mushroom  
Product Number: C-M-98-501441  
CAS Number: 9012-76-4  
Grade: Biomedical Research, Food, Advanced Industrial and Agriculture  
Source Material: Vegetal - Mushroom (*Agaricus bisporus*)  
Lot No.: 501432

Batch Quantity: 15Kg  
Manufacture Date: March 29, 2020  
Test Date: April 6, 2020  
Shelf-Life: 36 months  
Expiry date: March 29, 2023  
Storage Conditions: <25°C, cool dry environment, well-sealed

Test Item	Specification	Result
Appearance/Characteristics	White to light yellow powder, free flowing powder	Conforms
Degree of Deacetylation (%)	≥ 98.0	98.2
Viscosity (mPa.s, 20°C)	400 - 800	600
pH	7.0-8.0	8.0
Particle size/Sieve Analysis (mesh)	80	100% Pass Through
Moisture content (%)	≤ 8	7.1
Ash content (%)	≤ 1.0	0.27
<b>Heavy Metals</b>		
Pb (ppm)	≤ 1.0	<0.50
As (ppm)	≤ 2.0	1.0
Cd (ppm)	≤ 0.5	Negative
Hg (ppm)	≤ 0.5	Negative
Total Heavy Metals Count (ppm)	≤ 20.0	10.0
<b>Microbiology</b>		
Mold and yeast (cuf/g)	≤100	38
E.Coli (cuf/100g)	Negative	Negative
Salmonella	Negative	Negative
Total plate count (cfu/g)	≤1000	183

Date: April 7, 2020

Signed: 

Nicole Parks - QA & QC Supervisor



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COAF51921 - Rev.21JAN20