

CERTIFICATE OF ANALYSIS

Product Name: Chitosan
Grade: Food, Medical, Medical Research
Source Material: Plant-based, Mushrooms
CAS No.: 9012-76-4
Storage: <25°C, cool dry environment, well-sealed
Shelf Life: 36 months

Product No.: C-M-95-401132
Lot No.: 25190
Quantity: 100Kg
Manufacturer Date: May 3, 2022
Testing Date-1: May 5, 2022
Expiry Date: May 3, 2025

Test Item	Specification	Results
Appearance	White to light yellow powder	Conforms
Deacetylation (%)	>95%	98.0%
Molecular Weight (kDa)	250 - 300	Conforms
pH	7 - 8	7.5
Mesh size/sieve analysis	100% pass 80 mesh	Conforms
Moisture content (%)	≤8	6.1
Ash content (%)	≤2.0	0.48
Heavy metals (ppm)	≤ 20.0	10.0
Pb (ppm)	≤1.0	0.4
As (ppm)	≤2.0	1.0
Cd (ppm)	≤0.5	Negative
Hg (ppm)	≤0.5	Negative
Microbiology		
Total plate count (cfu/g)	≤1000	90
Mold and yeast (cuf/g)	≤100	21
E. Coli (MPN/100g)	Negative	Negative
Salmonella	Negative	Negative

Date: May 5, 2022

Testing Supervisor: Nicole Parks -
 Manager Quality Assurance & Control

Signed: _____




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