



# ChitoLytic

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## CERTIFICATE OF ANALYSIS EXAMPLE

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

Lot No.: 251821  
Quantity: 50kG  
Manufacturer Date: May 11, 2019  
Test Date: May 13, 2019  
Expiry Date: May 10, 2021

Test Item	Specification	Results
Appearance	White to light yellow powder	Conforms
Deacetylation (%)	95% - 98%	98.0%
Molecular weight (kDa)	250 - 300	Conforms
pH	7 - 8	7.5
Ash content (%)	≤2.0	0.46
Mesh size/sieve analysis	100% pass 80 mesh	Conforms
Loss on drying	≤8	6.1%
<b>Heavy Metals</b>		
Pb (ppm)	≤1.0	0.5
As (ppm)	≤2.0	1.0
Cd (ppm)	≤0.5	Negative
Hg (ppm)	≤0.5	Negative
Sum	≤20.0	10.0
<b>Microbiology</b>		
Total plate count (cfu/g)	≤1000	90
Mold and yeast (cuf/g)	≤100	22
E. Coli.	Negative	Negative
Salmonella	Negative	Negative

Date: May 13, 2019  
Testing Supervisor: Nicole Parks -  
Manager - Quality Assurance & Control

Signed: \_\_\_\_\_

