



## CERTIFICATE OF ANALYSIS

Product Name: Chitosan Lactate  
Grade: Biomedical, Food, Agro, Industrial  
Source Material: Crustacean  
CAS No.: 9012-76-4  
Product Number: AL-10131  
Storage: <25°C, cool dry environment, well-sealed

Lot Number: 22052  
Quantity: 200Kg  
Manufacturer Date: June 29, 2022  
Testing Date-1: June 30, 2022  
Expiry Date: June 28, 2025  
Shelf Life: 36 months

Test Item	Specification	Results
Appearance	Light yellow, free flowing powder	Conforms
Degree of Deacetylation (%)	≤95.0	Conforms
Viscosity (mPa.s)	<200	33.0
Lactate content (%)	35-55	42.0
Insoluble (%)	≤1.0	0.26
Residue on ignition	≤1.0	0.30
Moisture (%)	≤10.0	8.05%
pH	3.5-4.5	4.21
<b>Heavy metals (ppm)</b>	≤10.0	Conforms
Lead	≤2.0	Conforms
Arsenic	≤0.5	Conforms
Mercury	≤0.2	Conforms
Cadmium	≤0.5	Conforms
<b>Microbial</b>		
Total Aerobic (cfu/g)	<1000	<100
Yeast & Mold	<100	<30
E. Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus Aureus	Negative	Negative

Date: June 30, 2022

Testing Supervisor: Nicole Parks - Manager Quality Assurance & Control

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



Office: Bruneau Centre for Research and Innovation, Memorial University, 230 Elizabeth Avenue, St. John's, Newfoundland L1C 5S7 Canada  
Sales Dept.: Ajax, Ontario L1T 3J1 Canada



USA/Canada (Toll Free): 1-866-729-4467 International/Local: 1-438-930-6453  
www.linkedin.com/in/chitolytic-chitosan

info@chitolytic.com www.chitolytic.com

COAF51921 - Rev.21JAN20