



SPECIFICATION SHEET

Chitosan (AL-801)

Product: Chitosan
Product Number: AL-801
Source Material: Crustacean
CAS Number: 9012-76-4

Grade: Biomedical Research, Food, Agriculture, Industrial
Storage Conditions: <25°C, cool dry environment, well-sealed
Shelf-Life: 36 months

Test Item	Specification
Appearance	White to light yellow, free flowing powder, odourless
Deacetylation (%)	>80.0
Molecular Weight (kDa)	80-400
Viscosity (cps) – 1% chitosan 1% acetic acid	30 - 400
Particle size (mm)	5
Bulk density	≥0.21
Solubility (% in 1% Acetic Acid)	≥99.0
Ash content (%)	≤1.0
Protein content	Non-Detectable
Residue on ignition	≤1.0
Moisture content (%)	≤10.0
Heavy metals (ppm)	≤10.0
Lead	≤0.5
Arsenic	≤0.5
Mercury	≤0.1
Cadmium	≤1.0
Microbiology	
Total Aerobic (cfu/g)	<1000
E. Coli	Negative
Salmonella	Negative
Staphylococcus Aureus	Negative

Nicole Parks - QA & QC Supervisor

Signed: 

17 Carlaw Avenue, Toronto, Ontario M4M 2R6 Canada
Sales Dept.: Ajax, Ontario L1T 3J1 Canada

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

