



SPECIFICATION SHEET

Chitosan (A-90101)

Product: Chitosan
Product Number: A-90101
Source Material: Crustacean
CAS Number: 9012-76-4

Grade: Biomedical, 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
Degree of Deacetylation (%)	≥90.0
Viscosity (mPa.s)	<200
Particle size (U.S. Mesh)	≥98% through 80 Mesh
Bulk density (g/ml)	≥0.20
Solubility (% in 1% Acetic Acid)	≥99.0
Ash content	≤1.5
Protein content	Non-Detectable
Residue on ignition	≤1.0
Moisture (%)	≤10.0
pH	3.5-4.5
Heavy metals (ppm)	≤10.0
Lead	≤0.5
Arsenic	≤0.5
Mercury	≤0.1
Cadmium	≤1.0
Microbial	
Total Aerobic (cfu/g)	<1000
E. Coli	Negative
Salmonella	Negative
Staphylococcus Aureus	Negative

Nicole Parks - QA & QC Supervisor

Signed: 

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