



SPECIFICATION SHEET

Chitosan Lactate (AL-10131)

Product: Chitosan Lactate
Product Number: AL-10131
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	Light yellow, free flowing powder
Degree of Deacetylation (%)	≤95.0
Viscosity (mPa.s)	<200
Lactate content (%)	35-55
Insoluble (%)	≤1.0
Residue on ignition	≤1.0
Moisture (%)	≤10.0
pH	3.5-4.5
Heavy metals (ppm)	≤10.0
Lead	≤2.0
Arsenic	≤0.5
Mercury	≤0.2
Cadmium	≤0.5
Microbial	
Total Aerobic (cfu/g)	<1000
Yeast & Mold	<100
E. Coli	Negative
Salmonella	Negative
Staphylococcus Aureus	Negative

Nicole Parks - QA & QC Supervisor

Signed: 

