

Certificate of Analysis

Date of Testing: 2025-05-08 14:26:41

Date of Next Testing: 2029-05-07 14:26:41

Product Name: **Chitosan**

CAS Number: 9012-76-4

Specifications & Purity: $\geq 95\%$ (deacetylated) ,viscosity 100-200 mPa.s from shrimp shells

Lot #: E2506131

SKU #: **C105799**

Version: **0**

Analysis #: **502028**

Parameter	Limit Values	Result
(As)Arsenic	0-0.5 (ppm)	0.10 ppm
Deacetylation value	95-100 (%)	95.10 %
Total number of bacteria	0-1000 (cfu/g)	10.00 cfu/g
Ash	0-1.5 (%)	0.69 %
Total yeasts and molds count(TYMC)	0-100 (cfu/g)	0.33 cfu/g
Water by Karl Fischer	0-10 (%)	8.67 %
Viscosity(1% in 1% acetic acid)	100-200 (mPa·S)	154.00 mPa·S
bulk density	≥ 0.3 (g/ml)	0.35 g/ml
Heavy metals	0-10 (ppm)	5.00 ppm
Appearance (C105799)	off-white to yellow to tan powder or chunks	off-white to yellow to tan powder or chunks
Escherichia Coli	none detected	none detected
Salmonella	none detected	none detected



John Su
QA & QC Manager