

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-20 19:12:12
Date of Next Testing: 2026-10-19 19:12:12
Product Name: **Chitosan**
CAS Number: 9012-76-4
Specifications & Purity: $\geq 95\%$ (deacetylated) ,viscosity 100-200 mPa.s from shrimp shells
Lot #: J2218309
SKU #: **C105799**
Analysis: **100529**

Parameter	Limit Values	Result
Deacetylation value	95-100 (%)	95.80 %
Viscosity(1% in 1% acetic acid)	100-200 (mPa·S)	119.00 mPa·S
Ash	0-1.5 (%)	0.47 %
Water by Karl Fischer	0-10 (%)	7.13 %
(As)Arsenic	0-0.5 (ppm)	0.48 ppm
Total number of bacteria	0-1000 (cfu/g)	988.00 cfu/g
Total yeasts and molds count(TYMC)	0-100 (cfu/g)	98.00 cfu/g
Heavy metals	0-10 (ppm)	8.00 ppm
bulk density	≥ 0.3 (g/ml)	0.40 g/ml
Escherichia Coli	none detected	none detected
Salmonella	none detected	none detected
Appearance (C105799)	off-white to yellow to tan powder or chunks	off-white to yellow to tan powder or chunks



John Su
QA & QC Manager