

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-20 16:39:59

Date of Next Testing: 2029-02-19 16:39:59

Product Name: **Chitosan**

CAS Number: 9012-76-4

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

Lot #: B2517036

SKU #: **C105799**

Version: **0**

Analysis #: **458345**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
(As)Arsenic	0-0.5 (ppm)	0.23500 ppm
Deacetylation value	95-100 (%)	95.60000 %
Total number of bacteria	0-1000 (cfu/g)	20.00000 cfu/g
Ash	0-1.5 (%)	0.20000 %
Total yeasts and molds count(TYMC)	0-100 (cfu/g)	2.36000 cfu/g
Water by Karl Fischer	0-10 (%)	2.40000 %
Viscosity(1% in 1% acetic acid)	100-200 (mPa·S)	180.00000 mPa·S
bulk density	≥ 0.3 (g/ml)	0.35000 g/ml
Heavy metals	0-10 (ppm)	5.30000 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



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager