

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2025-08-08 10:02:56  
Date of Next Testing: 2028-08-07 10:02:56  
Product Name: **Carboxymethyl chitosan**  
CAS Number: 83512-85-0  
Specifications & Purity: Degree of substitution:  $\geq 90\%$   
Lot #: H2506272  
SKU #: **C304739**  
Version: **4**  
Analysis #: **546802**  
Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Loss on drying	0-10 (%)	4.27708 %
Ash	10.0-25 (%)	21.16134 %
Viscosity(1% in 1% water, 20°C)	< 200 (mPa·S)	10.42000 mPa·S
Insoluble matter in H <sub>2</sub> O	0-1 (%)	0.00000 %
Degree of substitution( total)	$\geq 90$ (%)	108.30000 %
Appearance (C304739)	white to off-white to yellow powder	white to off-white to yellow powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager