

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-22 11:35:56

Date of Next Testing: 2027-05-22 11:35:56

Product Name: **Carboxymethyl Chitosan Methacryloyl (CMCSMA)**

CAS Number:

Specifications & Purity: Marking rate: 10-20% Viscosity ≤ 100 The residue of methylpropylene is ≤ 100 ppm

Lot #: ZJ25F0725039

SKU #: **M398219**

Version: **1**

Analysis #: 035468

Parameter	Limit Value	Result
Substitution degree (carboxylation degree)	$\geq 80(\%)$	93.00000 %
Dynamic Viscosity	0-100(mPa·s)	11.00000 mPa·s
Methacryloyl Content (Labeling Rate)	10-20(%)	20.00000 %
Loss on drying	$\leq 15(\%)$	9.00000 %
pH	6-8	7.50000
Residual Ethanol	$\leq 0.5(\%)$	0.20000 %
Total aerobic microbial count	$\leq 1000(\text{cfu/g})$	500.00000 CFU/g
Appearance(M398219)	Off-white or pale yellow granules/powder	Off-white or pale yellow granules/powder
Residual Methacrylic Acid $\leq 0.01\%$	Conform	Conform
Heavy Metals ≤ 10 ppm	Conform	Conform
Total molds and yeasts ≤ 100 CFU/g	Conform	Conform
Coliform Group ≤ 30 MPN/100g	Conform	Conform
Salmonella:Not detected	Conform	Conform
Staphylococcus aureus:Not detected	Conform	Conform
Seal Integrity Testing	Conform	Conform
Identification	Complies with specifications	Complies with specifications



Sophia Cheng
Quality Assurance