

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-21 14:26:43  
Date of Next Testing: 2026-02-20 14:26:43  
Product Name: **Carboxymethyl cellulose**  
CAS Number: 9004-32-4  
Specifications & Purity: M.W. 700000(DS=0.9),2500 - 4500mPa.s  
Lot #: B2218379  
SKU #: **C104977**  
**Analysis: 066371**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Pb measure	0-10 (ppm)	5.00 ppm
Heavy metals	0-20 (ppm)	10.00 ppm
Loss on drying	0-10 (%)	4.60 %
NaCl	0-0.25 (%)	0.13 %
Cadmium(Cd)	0-1 (ppm)	0.62 ppm
PH	6.5-8	7.50
Sodium glycolate	0-0.4 (%)	0.20 %
Mercury(Hg)	0-1 (ppm)	0.60 ppm
Viscosity(1% in H <sub>2</sub> O,25°C)	2500-4500 (cP)	2614.00 cP
(As)Arsenic	0-3 (ppm)	1.50 ppm
Degree of substitution	0.8-0.95	0.92
Assay	99.5-100 (%)	99.60 %
Appearance (C104977)	white to beige powder or crystals	white to beige powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager