

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-11-25 12:25:21
Date of Next Testing:	2026-11-24 12:25:21
Product Name:	Carboxymethyl cellulose
CAS Number:	9004-32-4
Specifications & Purity:	M.W. 700000(DS=0.9) ,2500 - 4500mPa.s
Lot #:	K2219405
SKU #	C104977
Version	1
Analysis #:	121650
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Pb measure	0-10 (ppm)	5.30 ppm
Heavy metals	0-20 (ppm)	12.40 ppm
Loss on drying	0-10 (%)	4.67 %
NaCl	0-0.25 (%)	0.13 %
Cadmium(Cd)	0-1 (ppm)	0.50 ppm
PH	6.5-8	7.20
Sodium glycolate	0-0.4 (%)	0.21 %
Mercury(Hg)	0-1 (ppm)	0.50 ppm
Viscosity(1% in H ₂ O,25°C)	2500-4500 (cP)	3011.00 cP
(As)Arsenic	0-3 (ppm)	1.20 ppm
Degree of substitution	0.8-0.95	0.87
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



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager