

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-28 18:29:44
Date of Next Testing: 2027-07-27 18:29:44
Product Name: **Carboxymethyl cellulose**
CAS Number: 9004-32-4
Specifications & Purity: M.W. 700000(DS=0.9),2500 - 4500mPa.s
Lot #: G2326078
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



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager