

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-20 14:45:54
Date of Next Testing: 2028-01-19 14:45:54
Product Name: **Carboxymethyl cellulose**
CAS Number: 9004-32-4
Specifications & Purity: M.W. 90000(DS=0.7) ,50-100mPa.s
Lot #: A2416020
SKU #: **C104983**
Analysis: **083437**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
PH	6.5-8	7.20
NaCl	0-0.25 (%)	0.15 %
Pb measure	0-10 (ppm)	5.00 ppm
Sodium glycolate	0-0.4 (%)	0.20 %
Mercury(Hg)	0-1 (ppm)	0.50 ppm
Loss on drying	0-10 (%)	6.66 %
(As)Arsenic	0-3 (ppm)	2.00 ppm
Viscosity(1% in H2O,25°C)	50-100 (cP)	69.60 cP
Heavy metal (as Pb)	0-20 (ppm)	10.00 ppm
Cadmium(Cd)	0-1 (ppm)	0.50 ppm
Degree of substitution	0.65-0.9	0.80
Assay (dry basis)	99.5-100 (%)	99.50100 %
Appearance (C104983)	white to light yellow granular powder	white to light yellow granular powder
Molecular Weight	Conforms	Conforms
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". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager