

Certificate of Analysis

Date of Testing: 2025-08-12 14:35:18
Date of Next Testing: 2029-08-11 14:35:18
Product Name: **Carboxymethyl cellulose**
CAS Number: 9004-32-4
Specifications & Purity: M.W. 250000(DS=0.7) ,1500-3100mPa.s
Lot #: J2128543
SKU #: **C104981**
Version: **1**
Analysis #: **554269**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Degree of substitution	0.65-0.9	0.87
PH	6.5-8	7.50
Cadmium(Cd)	0-1 (ppm)	0.01 ppm
Pb measure	0-3 (ppm)	1.00 ppm
NaCl	0-0.25 (%)	0.12 %
Heavy metal (as Pb)	0-10 (ppm)	4.00 ppm
Sodium glycolate	0-0.4 (%)	0.20 %
Viscosity(1% in H ₂ O,25°C)	1500-3100 (cP)	2579.00 cP
Mercury(Hg)	0-1 (ppm)	0.01 ppm
Loss on drying	0-10 (%)	5.00 %
(As)Arsenic	0-3 (ppm)	1.00 ppm
Assay	99.5-100 (%)	99.60 %
Appearance (C104981)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Molecular Weight	Conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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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