

Certificate of Analysis

Date of Testing:	2021-10-21 13:16:16
Date of Next Testing:	2025-10-20 13:16:16
Product Name:	Carboxymethyl cellulose
CAS Number:	9004-32-4
Specifications & Purity:	M.W. 90000(DS=0.7) ,50-100mPa.s
Lot #:	J2116422
SKU #	C104983
Analysis:	044291
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
PH	6.5-8	7.50
NaCl	0-0.25 (%)	0.21 %
Pb measure	0-10 (ppm)	6.32 ppm
Sodium glycolate	0-0.4 (%)	0.35 %
Mercury(Hg)	0-1 (ppm)	0.00 ppm
Loss on drying	0-10 (%)	0.00 %
(As)Arsenic	0-3 (ppm)	0.00 ppm
Viscosity(1% in H ₂ O,25°C)	50-100 (cP)	50.01 cP
Heavy metal (as Pb)	0-20 (ppm)	10.94 ppm
Assay	99.5-100 (%)	99.56 %
Cadmium(Cd)	0-1 (ppm)	0.00 ppm
Degree of substitution	0.65-0.9	0.82
Appearance (C104983)	white to light yellow granular powder	white to light yellow granular powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Molecular Weight	Conforms	Conforms



ALADDIN SCIENTIFIC CORPORATION

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

John Su
QA & QC Manager