

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-14 08:24:19

Date of Next Testing: 2028-09-13 08:24:19

Product Name: **Carboxymethyl Cellulose Sodium(CMC)**

CAS Number: 9004-32-4

Specifications & Purity: Type V, M.W. 90000 (DS=0.7), 50-100mPa. s

Lot #: I2411029

SKU #: **C104983**

Version: **2**

Analysis #: **170855**

Storage Temperature: Room temperature,Argon charged

Parameter	Limit Values	Result
pH	6.5-8	7.50000
NaCl	0-0.25 (%)	0.20000 %
Pb measure	0-10 (ppm)	3.80000 ppm
Sodium glycolate	0-0.4 (%)	0.19000 %
Mercury(Hg)	0-1 (ppm)	0.29000 ppm
Loss on drying	0-10 (%)	0.00000 %
(As)Arsenic	0-3 (ppm)	1.30000 ppm
Viscosity(1% in H ₂ O,25°C)	50-100 (cP)	50.01000 cP
Heavy metal (as Pb)	0-20 (ppm)	12.60000 ppm
Cadmium(Cd)	0-1 (ppm)	0.32000 ppm
Degree of substitution	0.65-0.9	0.66000
Assay (dry basis)	99.5-100 (%)	99.56000 %
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



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager