

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-17 08:38:27

Date of Next Testing: 2029-01-16 08:38:27

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

CAS Number: 9004-32-4

Specifications & Purity:

Lot #: A2615481

SKU #: **S1373765**

Version: **2**

**Analysis #:** **629009**

Storage Temperature: Room temperature,Argon charged

| Parameter                                               | Limit Values                                           | Result                                                 |
|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Viscosity(C=2%, H2O @ 25°C)                             | 6000-11200 (mPa·S)                                     | 7060.00000 mPa·S                                       |
| pH                                                      | 6.5-8.0                                                | 7.98000                                                |
| Chloride                                                | 0-0.25 (%)                                             | 0.03800 %                                              |
| Sulfate(SO42-)                                          | 0-0.5 (%)                                              | 0.00240 %                                              |
| silicate                                                | 0-0.5 (%)                                              | 0.00000 %                                              |
| Drying loss                                             | 0-10 (%)                                               | 5.66000 %                                              |
| Iron salt                                               | 0-0.016 (%)                                            | 0.00000 %                                              |
| Degree of substitution                                  | 0.59-1.00                                              | 0.84000                                                |
| Sodium glycolate                                        | 0-0.4 (%)                                              | 0.30000 %                                              |
| Sodium(ICP)(dry basis)                                  | 6.5-9.5 (%)                                            | 6.59000 %                                              |
| Total aerobic bacteria                                  | 0-1000(cfu/g)                                          | 10.00000 cfu/g                                         |
| Mold and yeast count                                    | 0-100 (cfu/g)                                          | 10.00000 cfu/g                                         |
| Appearance(S1373765-01)                                 | White to slightly yellowish fibrous or granular powder | White to slightly yellowish fibrous or granular powder |
| Identification(Form white precipitate)                  | Pass                                                   | Pass                                                   |
| Identification(Form blue flocculent precipitates)       | Pass                                                   | Pass                                                   |
| Identification(Show the flame reaction of sodium salts) | Pass                                                   | Pass                                                   |



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

John Su  
QA & QC Manager