

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-30 11:34:18  
 Date of Next Testing: 2029-08-29 11:34:18  
 Product Name: **Hydroxypropylmethylcellulose**  
 CAS Number: 9004-65-3  
 Specifications & Purity: Type I, viscosity: 400mPa. s  
 Lot #: H2528096  
 SKU #: **H108819**  
 Version: **0**  
 Analysis #: **565871**  
 Storage Temperature: Room temperature

| Parameter                              | Limit Values              | Result                    |
|----------------------------------------|---------------------------|---------------------------|
| Loss on drying                         | 0-5 (%)                   | 2.50000 %                 |
| gel point                              | 58-64 (°C)                | 61.20000 °C               |
| Heavy metal (as Pb)                    | 0-20 (ppm)                | 10.00000 ppm              |
| Hydroxylpropoxyl                       | 7-12 (%)                  | 8.00000 %                 |
| Viscosity(2% in H <sub>2</sub> O,20°C) | 350-450 (mPa·S)           | 420.00000 mPa·S           |
| Methoxy                                | 28-30 (%)                 | 28.50000 %                |
| (Pb)Lead                               | 0-10 (ppm)                | 2.00000 ppm               |
| PH value                               | 4-8                       | 6.50000                   |
| Insoluble matter in H <sub>2</sub> O   | 0-0.5 (%)                 | 0.19000 %                 |
| Ignition Residue                       | 0-1 (%)                   | 0.70000 %                 |
| Appearance (H108819)                   | White to Off-White Powder | White to Off-White Powder |
| Infrared spectrum                      | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager