

## Certificate of Analysis

Date of Testing: 2024-10-24 14:45:56

Date of Next Testing: 2028-10-23 14:45:56

Product Name: **Hydroxypropylmethylcellulose**

CAS Number: 9004-65-3

Specifications & Purity: type II , viscosity : 4000mPa.s

Lot #: J2422476

SKU #: **H108824**

Version: **1**

Analysis #: **416000**

Storage Temperature: Room temperature, Argon charged

| Parameter                               | Limit Values              | Result                    |
|-----------------------------------------|---------------------------|---------------------------|
| Methoxy                                 | 19-30 (%)                 | 21.70 %                   |
| Insoluble matter in H <sub>2</sub> O    | 0-0.5 (%)                 | 0.36 %                    |
| Hydroxylpropoxyl                        | 4-12 (%)                  | 9.60 %                    |
| Ignition Residue                        | 0-1.5 (%)                 | 0.50 %                    |
| Heavy metal (as Pb)                     | 0-20 (ppm)                | 10.00 ppm                 |
| Loss on drying                          | 0-5 (%)                   | 2.90 %                    |
| Viscosity(2% in H <sub>2</sub> O, 20°C) | 3500-4500 (mPa·S)         | 4500.00 mPa·S             |
| PH value                                | 4-8                       | 6.17                      |
| (Pb)Lead                                | 0-10 (ppm)                | 9.00 ppm                  |
| Appearance (H108824)                    | White or off-white powder | White or off-white powder |
| Infrared spectrum                       | Conforms to Structure     | Conforms to Structure     |



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QA & QC Manager