

# TECHNICAL DATA SHEET

**INCI Name:** Hydroxypropyl Methylcellulose

**CAS NO.:** 9004-65-3

**Chemical Structure:**  $(C_{10}H_{18}O_6)_n$

**Trade Name:** Yeser® HPMC

**Product Specifications:**

| Test Item                                    | Specification             | Test Method |
|----------------------------------------------|---------------------------|-------------|
| Appearance (25°C)                            | White to yellowish powder | By eye      |
| Hydroxypropyl content, %                     | 7.5~12.0                  | GB/T 34263  |
| Methoxy content, %                           | 28.0~30.0                 | GB/T 34263  |
| Gelling point (2% aqueous solution), °C      | 58.0~64.0                 | GB/T 34263  |
| Ash (With sulfate) content, %                | ≤5.0                      | GB/T 34263  |
| Water content, %                             | ≤5.0                      | GB/T 6284   |
| Light transmittance (2% aqueous solution), % | ≥50                       | GB/T 34263  |
| Residue on sieve (180μm standard sieve), %   | ≤5                        | GB/T 8077   |
| pH value (1% aqueous solution, 25°C)         | 5.0~8.5                   | GB/T 9724   |
| Viscosity Brookfield (2% aqueous solution)   | ≥70000 mPa.s              | GB/T 34263  |
| Viscosity NDJ (2% aqueous solution)          | 160000~240000 mPa.s       | GB/T 34263  |

**Product Features:**

- 1) Excellent thickening and viscosity stabilizing abilities.
- 2) Great compatibility with surfactant systems in a wide pH range.
- 3) Outstanding solubility and dispersibility in water.
- 4) Excellent film-forming property.

**Dosage:**

The recommended dosage is 0.1%~10.0%.

**Package:**

In 25kg woven bags.

**Shelf life:**

Sealed, stored in a dry and ventilated place, the shelf life is 24 Months.

