



CHONGQING HAIHAO CHEMICAL CO., LTD

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## CERTIFICATE OF ANALYSIS

**Product:** Hydroxypropyl Methylcellulose (HPMC)

**Grade:** HPMC-200000S

**Quantity:**

**Date of Analysis:** 2016-12-06

**Lot Number:** HH-1612005

**Date of Manufactures:** 2016-12-02

| TEST ITEM                   | SPECIFICATION   | TEST RESULT |
|-----------------------------|---|-------------|
| APPEARANCE                  | WHITE POWDER OR GRANULES  | CONFORMS    |
| IDENTIFICATION              | CONFORMS  | CONFORMS    |
| METHOXYL CONTENT (%)        | 19.0-24.0   | 21.30       |
| HYDOXY PROPOXY CONTENT(%)   | 4.0-12.0  | 7.20        |
| PH VALUE (25℃)              | 4.0-8.0   | 5.18        |
| WATER (%)                   | ≤5.0  | 3.20        |
| ASH (%)                     | ≤5.0  | 4.69        |
| GEL TEMPERATURE             | 70.0-85   | 76.30       |
| TRANSPARENCY (%)            | ≥80   | 81.00       |
| VISCOSITY (2% SOLUTION 20℃) | ≥180000   | 183000      |
| FINENESS,MESH               | 100   | 100         |
| CONCLUSION                  | THE PRODUCT EXAMINATION IS QUALIFIED, IS QUALIFIED, MATCHING THE COMPANY STANDARD: Q/HTS006-2010. |             |

