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# Technical Data Sheet

**HPMC E4M**

## 1 Description

**HPMC E4M** is low viscosity Hydroxypropyl Methyl Cellulose (HPMC) which is designed for using in a wide range of pharmaceutical excipient applications.

## 2 Physical Analysis

| | | |
|---|---|---|
| Appearance | : | White to slightly off-white fibrous or granular powder. |
| Identification A to E | : | Conform |
| Solution appearance | : | Conform |
| Methoxy | : | 28.0-30.0% |
| Hydroxypropoxy | : | 7.0-12.0% |
| Loss on drying | : | 5.0% Max |
| Residue on ignition | : | 1.5% Max |
| pH | : | 5.0-8.0 |
| Apparent viscosity | : | 3200-4800cps |
| Particle size | : | Min. 98% pass through 100 mesh |

## 3 Heavy Metals

| | | |
|---|---|---|
| Heavy Metal | : | ≤10ppm |
| Arsenic | : | ≤3ppm |
| Lead | : | ≤3ppm |
| Mercury | : | ≤1ppm |
| Cadmium | : | ≤1ppm |

## 4 Micro bacteria

| | | |
|---|---|---|
| Total plate count | : | ≤1000cfu/g |
| Yeast and Mould | : | ≤100cfu/g |
| Coli form | : | Absent/g |
| Salmonella | : | Absent/g |

## 5 Packaging

25kg fibre drum with inner liner.

## 6 Regulation

Meets all requirements of USP, EP, JP, CP for the monograph Hydroxypropyl Methyl Cellulose 2910.