

# Technical Data Sheet

## HPMC E5

### 1 Description

HPMC E5 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	:	4.0-6.0cps
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.