



SPECIFICATIONS

HPMC E50

Hypromellose 2910
conform to EP, USP, JP and E 464

<i>Characters</i>	
Appearance	White to slightly off-white powder.
Clarity/Opalescence and Colour of Solution	Conforms
Identification (A, B, C, D, E)	Conforms to identity tests
Solubility	Soluble in cold water
Methoxy	28.0 – 30.0%
Hydroxypropoxy	7.0 – 12.0%
Viscosity (2% aq. sol, 20 °C)	40 – 60 mPa s
Loss on drying	5.0% maximum
pH (2% aq. sol.)	5.0 – 8.0
Residue on Ignition	1.5% maximum
<i>Heavy Metals</i>	10 ppm maximum
Arsenic	1.5 ppm maximum
Lead	0.5 ppm maximum
Mercury	0.5 ppm maximum
Cadmium	0.5 ppm maximum
Cobalt	5 ppm maximum
Vanadium	10 ppm maximum
Nickel	20 ppm maximum
Propylene chlorohydrins	0.1 ppm maximum
Iron	100 ppm maximum
Chlorides	0.5% maximum
<i>Microbial contamination</i>	
TMC	<10 ³ CFU/g
TYMC	<10 ² CFU/g
Staphylococcus aureus	Absent
Escherichia coli	Absent
Salmonella	Absent

Storage: Dry environment.

Packaging: 20-kg boxes lined with polyethylene bag.

Shelf Life: 5 Years.