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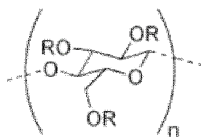
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Trade registration nr. 50769421 Chamber of Commerce Amsterdam

Technical Data Sheet

Product name:	HPMC
Product Form:	White powder or granules
Chemical name:	Hydroxypropyl methylcellulose
Synonym:	Hypromellose
CAS No:	9004-65-3
EINECS No:	Not list
Molecular formula:	Variable
Molecular weight:	Variable
IUPAC name:	Cellulose, 2-hydroxypropyl methyl ether

Structure formula:



R = H or CH₃ or CH₂CH(OH)CH₃

Brand:	RUTOCEL
Grade:	60RT5 (E5)
Standard:	USP, EP, JP

Chemical Specification

Item	Specification
Appearance:	White powder or granules
Description:	White or yellowish white, fibrous or granular powder, almost odorless, hygroscopic after drying
Identification A to E	Confirms
Solubility	Practical insoluble in hot water in acetone in ethanol, methanol & in toluene it swells in water forming an opalescent viscous colloidal solution
Appearance of solution:	Solution a NMT OS3 & YS6
Hydroxypropoxyl content (w%):	7.0-12.0
Methoxyl content (w%):	28.0-30.0
Apparent viscosity (cp):	4.0-6.0
Loss on drying (w%):	10.0 max.
Sulphated ash (w%):	3.0 max.
Residue on ignition (w%):	1.5 max.
Heavy metals (ppm):	20 max.

TDS Hunan Chemical BV

Arsenic (ppm):	3 max.
Chlorides (ppm):	0.5 max.
PH (25°C):	5.5-8.0
Total bacterium (/gram)	1000 max.
Mold (/gram):	100 max.

Packing: in 25kgs net fiber drum on pallet, 36drums (900kgs) per pallet.

Shelf life:
36months