

SidleyCel™ Hydroxypropyl methyl cellulose Food Grade

Product Description :

CAS No : 9004-65-3

SidleyCel™ Hydroxypropyl methyl cellulose is produced from highly pure cotton cellulose by special etherification in alkaline conditions. The whole process is completed under automatic monitor control and contains no active constituents, such as animal organs and grease.

SidleyCel™ Hydroxypropyl methyl cellulose is a kind of white or slightly yellowish powder, odorless, tasteless, and non-toxic. The product can be dissolved in cold water to form a transparent viscous solution. The aqueous solution of this product has surface activity so that it has emulsification, protective colloids and relative stability. PH Stability: the aqueous solution viscosity of this product is relatively stable in the range of PH3.0—11.0.

Thermal Gelation Effects

When heated above a certain temperature, the aqueous solution of the product may become opaque, form a precipitate, and make the solution lose viscosity. But it will then turn into its original solution state after gradually cooled. The temperature of the coagulation and sedimentation occurring depends on the type of product, concentration of solution and heating rate.

Low Ash Content

As the product is non-ionic, and in the preparation process can be effectively purified by washing with hot water, it has a very low ash content. SidleyCel™ products can fully meet the standards for use of medicine, food, and personal care products.

Specifications for Use of Medicine, Food and Personal Products

SidleyCel™ Hydroxypropyl Methylcellulose		
Methoxy(WT%)	Content (%)	19.0-30.0
	DS	1.1-1.9
Hydroxypropyl(WT%)	Content (%)	4.0-12.0
	DS	0.1-0.3
Loss on drying (WT%)		≤5.0
Residue on ignition (WT%)		≤1.0
PH		5.0-7.5
Heavy Metal (PPM)		≤20
Arsenic (PPM)		≤2
Appearance		white or yellowish powder
Mesh		100/120

Viscosity 2% Solution (mpa.s)	40-15000mPa.s
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