

# Mantrocel<sup>®</sup> HPMC

Mantrocel<sup>®</sup> HPMC is a plant-derived, pharma-grade hydroxypropyl methylcellulose designed for film coating, binding, granulation, suspensions, edible films, and release modification. Available in grades E3, E5, E6, E15, K4M, and K100M, Mantrocel<sup>®</sup> meets USP and EP standards and can be easily modified with plasticizers, pigments, surfactants, wetting agents, alcohols, or other film-forming polymers to create high-quality coated or modified-release tablets and capsules.

## Why Mantrocel<sup>®</sup>

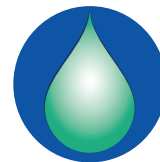
- *Efficient & Reliable:* Clean, clear films without tackiness. Easy to pigment and print on
- *Flexible:* Multiple viscosity grades (3–100,000 cP)
- *Strong:* Maintains tablet integrity, enhanced swallowing ease
- *Customizable:* Multiple viscosity grades (3–100,000 cP) with custom blends available
- *Trusted:* Supporting formulators across the U.S., Europe, and Latin America. Reliable supply with short lead times and cost-competitive options



### Technical Information

Shelf Life	60 months from the date of manufacture.
Non GMO	Does not contain Genetically Modified Organisms (GMO's) and is not subject to GMO labeling requirements
Certification	Certified Kosher Pareve by the Chicago Rabbinical Council.
Allergen Free	This product does not contain any allergens.





Grades	Viscosity
Mantrocel E3	2 - 4
Mantrocel E5	4 - 6
Mantrocel E6	4.8 - 7.2
Mantrocel E15	12 - 18
Mantrocel K4M	4,000
Mantrocel K100M	100,000

## Functional Characteristics

Function	Recommended Grade	Usage Rate
Coating Agent	E Series (low viscosity)	2 - 20%
Tablet Binder	E Series (low viscosity)	2 - 5%
Sustained Release Agent	K Series	10 - 80%
Thickening Agent	All Grades	0.25 - 5.0%

## General Characteristics

CAS Number	9004 - 65-3
Molecular Weight	10,000 - 1,000,000
Bulk Density	0.30 - 0.52 g/ml
Temperature - Gelling	40 - 90°C
Melting Point	90 - 230°C
Compendium	USP / EP / BP