

## Product Data Sheet

### Hydroxypropyl Methyl Cellulose Phthalate

#### HPMC-P HP55S

CAS No : 9050-31-1

Hypromellose Phthalate also known as HPMC-P or Hydroxy Propyl Methyl Cellulose Phthalate or Cellulose,2-hydroxypropyl methyl ether, phthalic acid Ester.

HPMCP HP55S was developed as an enteric coating agent, but due to its excellent characteristics, it has expanded its use in other fields, including sustained release agents, formulations, adhesives and microcapsule components. In application, HPMCP HP55S is usually used alone or mixed with other polymers as a buffering agent.

#### SPECIFICATION:

Test	HPMCP HP-55S
Dissolving pH	Starts @ 5.5
Labelled Viscosity@20C	170 cst
Viscosity in cps@20C	136cps – 204 cps
Nominal Phthalyl content	31%
Phthalyl content	27.0% - 35.0%
Description & Solubility	Conforms
Identification	Conforms
Water content	NMT 5.0%
Sulphated Ash	NMT 0.20%
Chloride	NMT0.07%
Heavy Metals	NMT 0.001%
Free Phthalic Acid	NMT 1.0%

#### PROPERTIES:

HPMCP HP-55S, due to its higher molecular weight and higher degree of Polymerization has higher viscosity, higher mechanical Strength of film and higher resistance to simulated gastric fluid of coated Formulation.This gives less

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percentage use in coating for tablets,gives better Strength to fragile tablets or granules or pellets.

All the grades are available in BP/USPNF/EP. It can also be made and Supplied as per other recognized pharmacopeia.

### **APPLICATIONS:**

Film coating of tablets,capsules and pellets  
Enteric coating of tablets,pellets and capsules  
Sustained release formulations  
Delayed release formulations  
Pellet coating of medical formulation  
Taste masking of the tablets

### **ADVANTAGES OF FILM COATING:**

Soothens pelletibility by masking odor and smell.  
Easy to swallow.  
Enhances product appearance.  
Protection of formulations from air oxidation,moisture and light.  
Improves efficacy of the drug.  
Prevents gastric cell irritation due to drugs.  
Drug will not get destroyed due to acidic pH of the stomach, thus better medical treatment to the patients.

### **Packing:**

Packed in fiber drum, containing25 kgs; palletized & shrink wrapped.

### **Storage:**

Store it in a cool, dry place below 30°C and protected against humidity and pressing, since the goods is thermoplastic, storage time should not exceed 36 months.

### **Safety notes:**

The above data is in accordance with our knowledge, but don't absolve the clients carefully checking it all immediately on receipt. To avoid the different formulation and different raw materials, please do more testing before using it.