



MCC Cellulose Derivatives Purity Greater 99% Approved For Food And Pharmaceutical Use

Basic Information

- Place of Origin: China
- Brand Name: HPMC
- Model Number: -



Product Specification

- Molecular Formula: $C_6H_7O_2(OH)_2CH_2COONa$
- Molecular Weight: 162.14 G/mol
- Applications: Thickening Agent, Film-forming Agent, Binder, And More
- Toxicity: Generally Considered Safe For Use In Food And Pharmaceuticals
- Cas No: 9004-34-6
- Compatibility: Compatible With A Wide Range Of Other Materials
- Purity: >99%
- Functional Groups: Hydroxyl, Carboxyl
- Highlight: **MCC Cellulose Derivatives,
Pharmaceutical Cellulose Derivatives,
Food 99% Cellulose Derivatives**

Product Description

Product Description:

Cellulose derivatives are a versatile group of compounds that find widespread applications in various industries, thanks to their unique properties and chemical structure. These derivatives are characterized by the presence of functional groups such as hydroxyl, carboxyl, which contribute to their diverse range of uses.

With a model number ranging from 800 to 12000 and an EINECS number of 618-384-9, cellulose derivatives exhibit a melting point typically between 200 to 300°C, making them suitable for a variety of processing conditions.

One of the key applications of cellulose derivatives is as tablet binders and disintegrants in pharmaceutical formulations. Tablet binders play a crucial role in tablet formulation by helping to hold the active ingredients together, ensuring the tablet's structural integrity. On the other hand, disintegrants promote the breakup of the tablet into smaller particles upon ingestion, aiding in the drug's dissolution and absorption in the body.

Cellulose derivatives are valued for their ability to control the release of active ingredients in pharmaceutical formulations, making them ideal for use in controlled-release tablets. Their compatibility with a wide range of active pharmaceutical ingredients (APIs) further enhances their utility in the pharmaceutical industry.

Moreover, cellulose derivatives are commonly used as capsule diluents, contributing to the uniformity and stability of capsule formulations. As capsule diluents, these derivatives help in maintaining the proper fill weight of the capsules and ensure consistent dosing of medications.

Besides their pharmaceutical applications, cellulose derivatives also find use in various other industries. In the food industry, they serve as stabilizers, thickeners, and emulsifiers in a wide range of products. Their ability to form gels and provide viscosity control makes them valuable ingredients in food formulations.

In the personal care and cosmetics industry, cellulose derivatives are utilized in products such as creams, lotions, and hair care formulations. They help improve the texture, stability, and overall performance of these products, enhancing their appeal to consumers. Cellulose derivatives are also employed in the production of coatings, adhesives, and sealants due to their film-forming properties and adhesion capabilities. Their compatibility with other ingredients and versatility make them indispensable in various industrial applications. In conclusion, cellulose derivatives represent a diverse group of compounds with valuable properties that make them indispensable in a wide range of industries. From pharmaceuticals to food, personal care, and industrial applications, these derivatives play a vital role in enhancing product performance and functionality.

Features:

Product Name: Cellulose Derivatives

Model No: 800-12000

Purity: >99%

State: Powder

Compatibility: Compatible With A Wide Range Of Other Materials

Applications: Thickening Agent, Film-forming Agent, Binder, And More

Applications:

Hypromellose, also known as HPMC, is a versatile cellulose derivative that finds a wide range of applications in various industries. With a purity level of over 99%, this product is a high-quality option for different manufacturing needs. Originating from China, this powdered product offers consistency and reliability in its performance.

One of the key application occasions for HPMC is in the pharmaceutical industry, particularly in the production of tablets. Due to its properties as a tablet binder and disintegrant, HPMC plays a crucial role in ensuring the structural integrity and dissolution properties of tablets. It is commonly used in tablet formulations to improve the tablet's disintegration time and enhance drug release.

HPMC is also utilized as a capsule diluent in pharmaceutical manufacturing. Its non-volatile nature makes it a suitable choice for encapsulating medications effectively. By incorporating HPMC into capsule formulations, manufacturers can ensure uniformity and consistency in the dosage form.

Another important aspect of HPMC's application is in conjunction with Microcrystalline Cellulose (MCC). The combination of HPMC and MCC in tablet formulations offers improved binding properties and aids in the disintegration of tablets, leading to enhanced drug release and bioavailability.

Overall, HPMC's versatility and reliability make it a popular choice for tablet and capsule production in the pharmaceutical industry. Its molecular weight of 162.14 G/mol contributes to its efficacy in various formulations. Whether used as a tablet binder, disintegrant, or capsule diluent, HPMC from China is a valuable ingredient that meets the high standards of pharmaceutical manufacturing.

FAQ:

Q: What is the brand name of the Cellulose Derivatives product?

A: The brand name is HPMC.

Q: Where is the Cellulose Derivatives product manufactured?

A: The product is manufactured in China.

Q: Is the Cellulose Derivatives product eco-friendly?

A: Yes, the product is environmentally friendly and biodegradable.

Q: What are the typical applications of Cellulose Derivatives?

A: Cellulose Derivatives are commonly used in pharmaceuticals, construction materials, and food products.

Q: Can the Cellulose Derivatives product be customized for specific requirements?

A: Yes, the product can be tailored to meet specific viscosity and chemical properties based on customer needs.



Anhui Sunhere Pharmaceutical Excipients Co., Ltd.



+86 19955438215



haileeping@sunhere-excipients.com



anhuisunhere.com

ECONOMIC AND TECHNOLOGICAL DEVELOPING ZONE,HUAINAN,ANHUI 232007,CHINA