



800-12000 Range Cellulose Derivatives Purity 99% For Tablet Binders And Disintegrants

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: HPMC



Product Specification

- EINECS: 618-384-9
- Functional Groups: Hydroxyl, Carboxyl
- Usage: Tablet Binders And Disintegrants.
- Compatibility: Compatible With A Wide Range Of Other Materials
- Cas No: 9004-34-6
- Applications: Thickening Agent, Film-forming Agent, Binder, And More
- Molecular Weight: 162.14 G/mol
- Hs Code: 39129000
- Highlight: **Cellulose Derivatives Purity 99%,
800-12000 Range Cellulose Derivatives,
Tablet Binders And Disintegrants Cellulose
Derivatives**

Product Description

Product Description:

Cellulose Derivatives are versatile and essential materials widely used in various industries. This product, with Model No 800-12000, offers a wide array of functional groups including Hydroxyl, Carboxyl. It falls under the HS Code 39129000 and has a molecular weight of 162.14 g/mol. Notably, this product is non-volatile, making it suitable for a range of applications where stability is key.

One of the primary applications of Cellulose Derivatives is in the pharmaceutical industry, particularly in the production of tablets. These derivatives play a crucial role in tablet formulation, acting as binders, disintegrants, and even controlled-release agents. In tablet production, Methyl Cellulose (MCC), a type of Cellulose Derivative, is commonly used due to its unique properties.

MCC is a key ingredient in tablet manufacturing due to its ability to improve the mechanical properties of tablets. It enhances tablet hardness, which is essential for the structural integrity of the tablet during handling and transportation. Additionally, MCC can act as a binder, helping to hold the tablet ingredients together and prevent them from crumbling.

Moreover, Cellulose Derivatives such as MCC can function as disintegrants in tablets. Disintegrants are crucial components that aid in the breakdown of tablets in the gastrointestinal tract, ensuring optimal drug release and absorption. By incorporating MCC into tablet formulations, manufacturers can achieve the desired disintegration time for their products.

Another important role of Cellulose Derivatives in tablet production is their use as controlled-release agents. These derivatives can regulate the release of active pharmaceutical ingredients in tablets, ensuring a sustained and controlled release over a specified period. This feature is particularly beneficial for medications that require a gradual release to maintain therapeutic levels in the body.

In addition to the pharmaceutical industry, Cellulose Derivatives find applications in various other sectors such as food, cosmetics, and personal care products. In food products, these derivatives are used as thickeners, stabilizers, and emulsifiers. They help improve the texture, consistency, and shelf life of food items. Similarly, in cosmetics and personal care products, Cellulose Derivatives contribute to the formulation of creams, lotions, and gels, providing desirable sensory properties and stability.

With their diverse functional groups and non-volatile nature, Cellulose Derivatives offer a wide range of benefits across multiple industries. Whether used in tablet production, food manufacturing, or cosmetic formulation, these derivatives play a significant role in enhancing product performance and quality. Their versatility and compatibility with various systems make them indispensable materials for numerous applications.

Features:

Product Name: Cellulose Derivatives

Molecular Formula: $C_6H_7O_2(OH)_2CH_2COONa$

Cas No: 9004-34-6

Melting Point: 200-300°C

Model No: 800-12000

Hs Code: 39129000

Applications:

HPMC, originating from China, is a versatile cellulose derivative widely used in various industries due to its exceptional properties. With a purity level exceeding 99% and a CAS number of 9004-34-6, HPMC is a reliable choice for applications requiring high-quality cellulose derivatives.

One of the key product application occasions for HPMC is in the pharmaceutical industry, specifically as tablet binders and disintegrants. HPMC serves as an excellent thickening agent, film-forming agent, and binder in tablet formulations, ensuring the cohesion and integrity of the tablets.

Moreover, HPMC finds extensive use in the production of MCC (microcrystalline cellulose) based formulations. As a capsule diluent, HPMC contributes to the uniformity and stability of the capsules, enhancing the overall quality of the final product.

Thanks to its compatibility with a wide range of other materials, HPMC can be easily incorporated into various formulations without compromising the integrity or performance of the end product. This compatibility makes HPMC a preferred choice for formulators looking for versatile cellulose derivatives.

In summary, HPMC is a premium cellulose derivative with numerous applications in the pharmaceutical and related industries. Its role as a tablet binder, disintegrant, thickening agent, film-forming agent, and binder, along with its compatibility with other materials, makes it a valuable ingredient in a variety of formulations.

FAQ:

Q: What is Cellulose Derivatives?

A: Cellulose Derivatives are a group of materials derived from cellulose, a natural polymer found in plant cell walls.

Q: What brand of Cellulose Derivatives do you offer?

A: We offer HPMC, which stands for Hydroxypropyl Methylcellulose, as our brand of Cellulose Derivatives.

Q: Where are your Cellulose Derivatives sourced from?

A: Our Cellulose Derivatives, specifically HPMC, are sourced from China.

Q: What are the typical applications of Cellulose Derivatives?

A: Cellulose Derivatives like HPMC are commonly used in industries such as construction, pharmaceuticals, food, and cosmetics for their thickening, stabilizing, and film-forming properties.

Q: Are Cellulose Derivatives safe for use?

A: Yes, Cellulose Derivatives like HPMC are considered safe for use in various products and applications, meeting regulatory standards for quality and safety.



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