

Microcrystalline Cellulose Market Size, Share & Trends Analysis Report By Source (Wood-based, Non-wood Based), By Form (Powder, Liquid), By Application, By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

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Microcrystalline Cellulose Market Growth & Trends

The global microcrystalline cellulose market size is anticipated to reach USD 1,805.06 million by 2030, registering a CAGR of 6.3% during the forecast period, according to a new report by Grand View Research, Inc. microcrystalline cellulose (MCC) is valued for its properties, such as being a versatile excipient in pharmaceuticals, a stabilizer & thickener in personal care & cosmetics, and an effective binder & filler in food & beverages. In addition, as the popularity of natural and sustainable ingredients grows, MCC derived from renewable resources like wood pulp is preferred over synthetic alternatives, further driving the market.

Microcrystalline cellulose is typically produced through controlled hydrolysis of cellulose, which can be sourced from various natural sources such as wood pulp, cotton, or other plant fibers. The process involves treating cellulose with mineral acids or enzymes to break down with cellulose fibers into crystalline particles. Enzymatic hydrolysis, advanced processing, green solvents, and nanotechnology are some of the technological advancements in the current market scenario.

The increasing usage of the product in the personal care & cosmetics sector is one of the major driving factors for the consumption of MCC over the coming years. MCC is

utilized in the personal care & cosmetics industry in products, such as toothpaste, skin cream, and makeup formulations as viscosity modifiers, emulsion stabilizers, and texture enhancers. The expanding personal care & cosmetics sector, driven by increasing consumer awareness of skincare and grooming, contributes to the increasing application of the product.

On the other hand, fluctuations in the prices of raw materials such as cellulose pulp can impact the production and prices of final microcrystalline cellulose. Additionally, competition from other cellulose-based products or synthetic alternatives may influence pricing dynamics, potentially restricting market growth.

Microcrystalline Cellulose Market Report Highlights

The non-wood-based sources segment is anticipated to grow at the highest CAGR over the forecasted period. Non-wood-based sources like agricultural residue, such as corn stover, wheat straw, and rice husks, offer more sustainable alternatives than wood-based sources, reducing pressure on forests, and promoting circular economy principles.

The liquid MCC segment is expected to witness the highest CAGR over the coming years on account of its properties, such as improved stability, viscosity control, and suspension properties, making it more desirable for formulations requiring these properties

The food & beverages industry is anticipated to witness the highest growth rate over the next years, owing to the rising penetration of the product in food & beverage production on account of its beneficial properties

Asia Pacific is expected to witness the fastest growth over the forecasted period owing to rapid technological advancements, the presence of large pharmaceutical and food & beverages industries, changing consumer preferences & trends, and the presence of some of the key manufacturing companies

In November 2023, International Flavors & Fragrances, Inc., and BASF Pharma Solutions collaborated on the virtual pharma assistant platform ZoomLab. In the first phase of the collaboration, IFF's Avicel microcrystalline cellulose and super disintegrant Ac-Di-Sol became available on the platform

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