

Microcrystalline Cellulose Market Report by Source Type (Wood-based, Non-Wood Based), Route of Synthesis (Reactive Extrusion, Enzyme Mediated, Steam Explosion, Acid Hydrolysis, Mechanical Grinding, Ultrasonication), End User (Pharmaceutical, Food and Beverages, Cosmetics and Personal Care, and Others), and Region 2024-2032

Market Report | 2024-08-10 | 140 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$3999.00
- Five User Licence \$4999.00
- Enterprisewide License \$5999.00

Report description:

The global microcrystalline cellulose market size reached US\$ 1,282.8 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,912.2 Million by 2032, exhibiting a growth rate (CAGR) of 4.4% during 2024-2032.

Microcrystalline cellulose (MCC) refers to purified and depolymerized cellulose with shorter crystalline polymer chains. It is commonly used as a filler, disintegrant and bulking, binding, lubricating agent in drug formulations. MCC is manufactured through controlled partial hydrolysis, purification and drying of high purity wood cellulose and other fibrous plant material. It can also be commercially synthesized using reactive extrusion, enzyme-mediated synthesis, steam explosion and acid hydrolysis. It acts as a stability enhancer and auxiliary suspending agent. It is added to tablets, oral fluids, medicinal gels and chewable and mouth dissolving tablets and nutraceuticals for prolonged drug and nutrient release.

Microcrystalline Cellulose Market Trends:

Significant growth in the pharmaceutical industry across the globe is one of the key factors creating a positive outlook for the market. Moreover, the widespread adoption of MCC in the manufacturing of food and beverage products is providing a thrust to the market growth. MCC is a chemically inert and tasteless compound, which is used to produce low-fat dairy products, such as frozen yogurt, whipped cream and ice cream. It is extensively used as an anti-caking and suspending agent, stabilizer and a substitute for unhealthy fats and oils to achieve the desired consistency and texture in baked products. Additionally, the

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

increasing utilization of degradable bio-composites and reinforced polylactic acid for 3D printing is acting as another growth-inducing factor. MCC acts as an additive for the 3D fabrication of building and construction components with enhanced tensile and thermal strength and minimal waste and power consumption. Other factors, including the increasing demand for non-wood-based MCC manufactured using agricultural waste, along with extensive research and development (R&D) activities, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global microcrystalline cellulose market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on source type, route of synthesis and end user.

Breakup by Source Type:

- Wood-based
- Non-wood based

Breakup by Route of Synthesis:

- Reactive Extrusion
- Enzyme Mediated
- Steam Explosion
- Acid Hydrolysis
- Mechanical Grinding
- Ultrasonication

Breakup by End User:

- Pharmaceutical
- Food and Beverages
- Cosmetics and Personal Care
- Others

Breakup by Region:

- North America
 - o□United States
 - o□Canada
- Asia-Pacific
 - o□China
 - o□Japan
 - o□India
 - o□South Korea
 - o□Australia
 - o□Indonesia
 - o□Others
- Europe
 - o□Germany
 - o□France
 - o□United Kingdom
 - o□Italy

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- o Spain
- o Russia
- o Others
- Latin America
- o Brazil
- o Mexico
- o Others
- Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Accent Microcell Pvt. Ltd., Asahi Kasei Corporation, Chemfield Cellulose, DFE Pharma GmbH & Co. KG (Royal FrieslandCampina N.V.), DuPont de Nemours Inc, Huzhou City Linghu Xinwang Chemical Co., Ltd, JRS PHARMA GmbH & Co. KG, Mingtai Chemical Co Ltd., Rayonier Advanced Materials, Roquette Freres and Sigachi Industries.

Key Questions Answered in This Report

1. What was the size of the global microcrystalline cellulose market in 2023?
2. What is the expected growth rate of the global microcrystalline cellulose market during 2024-2032?
3. What are the key factors driving the global microcrystalline cellulose market?
4. What has been the impact of COVID-19 on the global microcrystalline cellulose market?
5. What is the breakup of the global microcrystalline cellulose market based on the source type?
6. What is the breakup of the global microcrystalline cellulose market based on the route of synthesis?
7. What is the breakup of the global microcrystalline cellulose market based on the end user?
8. What are the key regions in the global microcrystalline cellulose market?
9. Who are the key players/companies in the global microcrystalline cellulose market?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Microcrystalline Cellulose Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6 Market Breakup by Source Type
 - 6.1 Wood-based
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Non-wood based
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 7 Market Breakup by Route of Synthesis
 - 7.1 Reactive Extrusion
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Enzyme Mediated
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 Steam Explosion
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
 - 7.4 Acid Hydrolysis
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
 - 7.5 Mechanical Grinding
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
 - 7.6 Ultrasonication
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast
- 8 Market Breakup by End User
 - 8.1 Pharmaceutical
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Food and Beverages
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Cosmetics and Personal Care
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4 Others
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.4.1.2 Market Forecast
- 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
- 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 SWOT Analysis
 - 10.1 Overview
 - 10.2 Strengths
 - 10.3 Weaknesses
 - 10.4 Opportunities
 - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers
 - 12.3 Bargaining Power of Suppliers
 - 12.4 Degree of Competition
 - 12.5 Threat of New Entrants
 - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
 - 14.1 Market Structure
 - 14.2 Key Players
 - 14.3 Profiles of Key Players
 - 14.3.1 Accent Microcell Pvt. Ltd.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.2 Asahi Kasei Corporation
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 Chemfield Cellulose
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.4 DFE Pharma GmbH & Co. KG (Royal FrieslandCampina N.V.)
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 DuPont de Nemours Inc
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 14.3.5.3 Financials
- 14.3.5.4 SWOT Analysis
- 14.3.6 Huzhou City Linghu Xinwang Chemical Co., Ltd
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
- 14.3.7 JRS PHARMA GmbH & Co. KG
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 Mingtai Chemical Co Ltd.
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 Rayonier Advanced Materials
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
- 14.3.10 Roquette Freres
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 SWOT Analysis
- 14.3.11 Sigachi Industries
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio

**Microcrystalline Cellulose Market Report by Source Type (Wood-based, Non-Wood Based), Route of Synthesis (Reactive Extrusion, Enzyme Mediated, Steam Explosion, Acid Hydrolysis, Mechanical Grinding, Ultrasonication), End User (Pharmaceutical, Food and Beverages, Cosmetics and Personal Care, and Others), and Region
2024-2032**

Market Report | 2024-08-10 | 140 pages | IMARC Group

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$3999.00
	Five User Licence	\$4999.00
	Enterprisewide License	\$5999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Address*		City*	
Zip Code*		Country*	
		Date	2026-03-05
		Signature	