

# 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



## Contents

### **CHAPTER 1. METHODOLOGY AND SCOPE**

- 1.1. Market Segmentation & Scope
- 1.2. Market Definition
- 1.3. Information Procurement
  - 1.3.1. Purchased Database
  - 1.3.2. GVR's Internal Database
  - 1.3.3. Secondary Sources & Third-Party Perspectives
  - 1.3.4. Primary Research
- 1.4. Information Analysis
  - 1.4.1. Data Analysis Models
- 1.5. Market Formulation & Data Visualization
- 1.6. Data Validation & Publishing

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Market Snapshot
- 2.2. Segment Snapshot
- 2.3. Competitive Landscape Snapshot

### **CHAPTER 3. MICROCRYSTALLINE CELLULOSE MARKET VARIABLES, TRENDS & SCOPE**

- 3.1. Market Lineage Outlook
- 3.2. Industry Value Chain Analysis
  - 3.2.1. Raw Materials Trend
  - 3.2.2. Manufacturing/ Technology Trends
  - 3.2.3. Sales Channel Analysis
- 3.3. Vendor Landscape
  - 3.3.1. List of Raw Material Suppliers
  - 3.3.2. List of Distributors/Channel Partners
  - 3.3.3. List of Potential End-Users
- 3.4. Regulatory/Policy Framework
- 3.5. Price Trend Analysis, 2018 - 2030 (USD/Kg)
  - 3.5.1. Factors Influencing Prices
- 3.6. Market Dynamics
  - 3.6.1. Market Driver Analysis

- 3.6.2. Market Restraint Analysis
- 3.6.3. Industry Challenges
- 3.6.4. Industry Opportunities
- 3.7. Industry Analysis Tools
  - 3.7.1. Porter's Five Forces Analysis
  - 3.7.2. Macro-environmental Analysis

## **CHAPTER 4. MICROCRYSTALLINE CELLULOSE MARKET: SOURCE ESTIMATES & TREND ANALYSIS**

- 4.1. Source Movement Analysis & Market Share, 2023 & 2030
- 4.2. Microcrystalline Cellulose Market Estimates & Forecast, By Source, 2018 to 2030 (Kilotons) (USD Million)
- 4.3. Wood-based
  - 4.3.1. Wood-based Microcrystalline Cellulose Market Estimates and Forecasts, 2018 - 2030 (Kilotons) (USD Million)
- 4.4. Non-wood-based
  - 4.4.1. Non-wood-based Microcrystalline Cellulose Market Estimates and Forecasts, 2018 - 2030 (Kilotons) (USD Million)

## **CHAPTER 5. MICROCRYSTALLINE CELLULOSE MARKET: FORM ESTIMATES & TREND ANALYSIS**

- 5.1. Form Movement Analysis & Market Share, 2023 & 2030
- 5.2. Microcrystalline Cellulose Market Estimates & Forecast, By Form, 2018 to 2030 (Kilotons) (USD Million)
- 5.3. Powder
  - 5.3.1. Powdered Microcrystalline Cellulose Market Estimates and Forecasts, 2018 - 2030 (Kilotons) (USD Million)
- 5.4. Liquid
  - 5.4.1. Liquid Microcrystalline Cellulose Market Estimates and Forecasts, 2018 - 2030 (Kilotons) (USD Million)

## **CHAPTER 6. MICROCRYSTALLINE CELLULOSE MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

- 6.1. Application Movement Analysis & Market Share, 2023 & 2030
- 6.2. Microcrystalline Cellulose Market Estimates & Forecast, By Application, 2018 to 2030 (Kilotons) (USD Million)

### 6.3. Pharmaceutical

6.3.1. Microcrystalline Cellulose Market Estimates and Forecasts, in Pharmaceutical, 2018 - 2030 (Kilotons) (USD Million)

### 6.4. Food & Beverages

6.4.1. Microcrystalline Cellulose Market Estimates and Forecasts, in Food & Beverages, 2018 - 2030 (Kilotons) (USD Million)

### 6.5. Personal Care & Cosmetics

6.5.1. Microcrystalline Cellulose Market Estimates and Forecasts, in Personal Care & Cosmetics, 2018 - 2030 (Kilotons) (USD Million)

### 6.6. Paints & Coatings

6.6.1. Microcrystalline Cellulose Market Estimates and Forecasts, in Paints & Coatings, 2018 - 2030 (Kilotons) (USD Million)

### 6.7. Other Applications

6.7.1. Microcrystalline Cellulose Market Estimates and Forecasts, in Other Applications, 2018 - 2030 (Kilotons) (USD Million)

## **CHAPTER 7. MICROCRYSTALLINE CELLULOSE MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

### 7.1. Regional Movement Analysis & Market Share, 2023 & 2030

#### 7.2. North America

7.2.1. North America Microcrystalline Cellulose Estimates & Forecast, 2018 - 2030 (Kilotons) (USD Million)

##### 7.2.2. U.S.

7.2.2.1. Key country dynamics

7.2.2.2. U.S. Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030 (Kilotons) (USD Million)

##### 7.2.3. Canada

7.2.3.1. Key country dynamics

7.2.3.2. Canada Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030 (Kilotons) (USD Million)

##### 7.2.4. Mexico

7.2.4.1. Key country dynamics

7.2.4.2. Mexico Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030 (Kilotons) (USD Million)

#### 7.3. Europe

7.3.1. Europe Microcrystalline Cellulose Estimates & Forecast, 2018 - 2030 (Kilotons) (USD Million)

##### 7.3.2. Germany

- 7.3.2.1. Key country dynamics
- 7.3.2.2. Germany Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030  
(Kilotons) (USD Million)
- 7.3.3. UK
  - 7.3.3.1. Key country dynamics
  - 7.3.3.2. UK Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030  
(Kilotons) (USD Million)
- 7.3.4. France
  - 7.3.4.1. Key country dynamics
  - 7.3.4.2. France Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030  
(Kilotons) (USD Million)
- 7.3.5. Italy
  - 7.3.5.1. Key country dynamics
  - 7.3.5.2. Italy Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030  
(Kilotons) (USD Million)
- 7.3.6. Spain
  - 7.3.6.1. Key country dynamics
  - 7.3.6.2. Spain Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030  
(Kilotons) (USD Million)
- 7.4. Asia Pacific
  - 7.4.1. Asia Pacific Microcrystalline Cellulose Estimates & Forecast, 2018 - 2030  
(Kilotons) (USD Million)
  - 7.4.2. China
    - 7.4.2.1. Key country dynamics
    - 7.4.2.2. China Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030  
(Kilotons) (USD Million)
  - 7.4.3. India
    - 7.4.3.1. Key country dynamics
    - 7.4.3.2. India Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030  
(Kilotons) (USD Million)
  - 7.4.4. Japan
    - 7.4.4.1. Key country dynamics
    - 7.4.4.2. Japan Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030  
(Kilotons) (USD Million)
  - 7.4.5. South Korea
    - 7.4.5.1. Key country dynamics
    - 7.4.5.2. South Korea Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030  
(Kilotons) (USD Million)
- 7.5. Central & South America

7.5.1. Central & South America Microcrystalline Cellulose Market Estimates & Forecast, 2018 - 2030 (Kilotons) (USD Million)

7.5.2. Brazil

7.5.2.1. Key country dynamics

7.5.2.2. Brazil Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030 (Kilotons) (USD Million)

7.5.3. Argentina

7.5.3.1. Key country dynamics

7.5.3.2. Argentina Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030 (Kilotons) (USD Million)

7.6. Middle East & Africa

7.6.1. Middle East & Africa Microcrystalline Cellulose Market Estimates & Forecast, 2018 - 2030 (Kilotons) (USD Million)

7.6.2. Saudi Arabia

7.6.2.1. Key country dynamics

7.6.2.2. Saudi Arabia Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030 (Kilotons) (USD Million)

7.6.3. South Africa

7.6.3.1. Key country dynamics

7.6.3.2. South Africa Microcrystalline Cellulose Market estimates & forecast, 2018 - 2030 (Kilotons) (USD Million)

## **CHAPTER 8. MICROCRYSTALLINE CELLULOSE MARKET - COMPETITIVE LANDSCAPE**

8.1. Recent Developments & Impact Analysis, By Key Market Participants

8.2. Company Categorization

8.3. Company Market Share/Position Analysis, 2023

8.4. Company Heat Map Analysis

8.5. Strategy Mapping

8.6. Company Profiles

8.6.1. Roquette Freres

8.6.1.1. Participant's overview

8.6.1.2. Financial performance

8.6.1.3. Product benchmarking

8.6.1.4. Recent developments

8.6.2. JRS PHARMA

8.6.2.1. Participant's overview

8.6.2.2. Financial performance



- 8.6.2.3. Product benchmarking
- 8.6.2.4. Recent developments
- 8.6.3. Asahi Kasei Corporation
  - 8.6.3.1. Participant's overview
  - 8.6.3.2. Financial performance
  - 8.6.3.3. Product benchmarking
  - 8.6.3.4. Recent developments
- 8.6.4. Apollo Scientific Ltd
  - 8.6.4.1. Participant's overview
  - 8.6.4.2. Financial performance
  - 8.6.4.3. Product benchmarking
  - 8.6.4.4. Recent developments
- 8.6.5. SEPPIC
  - 8.6.5.1. Participant's overview
  - 8.6.5.2. Financial performance
  - 8.6.5.3. Product benchmarking
  - 8.6.5.4. Recent developments
- 8.6.6. Ankit Pulps
  - 8.6.6.1. Participant's overview
  - 8.6.6.2. Financial performance
  - 8.6.6.3. Product benchmarking
  - 8.6.6.4. Recent developments
- 8.6.7. GODAVARI BIOREFINERIES LTD.
  - 8.6.7.1. Participant's overview
  - 8.6.7.2. Financial performance
  - 8.6.7.3. Product benchmarking
  - 8.6.7.4. Recent developments
- 8.6.8. International Flavors & Fragrances Inc.
  - 8.6.8.1. Participant's overview
  - 8.6.8.2. Financial performance
  - 8.6.8.3. Product benchmarking
  - 8.6.8.4. Recent developments
- 8.6.9. DFE Pharma
  - 8.6.9.1. Participant's overview
  - 8.6.9.2. Financial performance
  - 8.6.9.3. Product benchmarking
  - 8.6.9.4. Recent developments
- 8.6.10. Fengchen Group Co.,Ltd.
  - 8.6.10.1. Participant's overview

- 8.6.10.2. Financial performance
- 8.6.10.3. Product benchmarking
- 8.6.10.4. Recent developments
- 8.6.11. Foodchem International Corporation
  - 8.6.11.1. Participant's overview
  - 8.6.11.2. Financial performance
  - 8.6.11.3. Product benchmarking
  - 8.6.11.4. Recent developments

## List Of Tables

### LIST OF TABLES

Table 1 List of Raw Material Suppliers

Table 2 List of Distributors/Channel Partners

Table 3 List of Potential End-Users

Table 4 Regulatory Framework

Table 5 North America Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 6 North America Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 7 North America Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 8 North America Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 9 North America Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 10 North America Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 11 U.S. Macroeconomic Outlay

Table 12 U.S. Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 13 U.S. Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 14 U.S. Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 15 U.S. Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 16 U.S. Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 17 U.S. Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 18 Canada Macroeconomic Outlay

Table 19 Canada Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 20 Canada Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 21 Canada Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 22 Canada Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 23 Canada Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 24 Canada Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 25 Mexico Macroeconomic Outlay

Table 26 Mexico Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 27 Mexico Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 28 Mexico Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 29 Mexico Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 30 Mexico Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 31 Mexico Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 32 Europe Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 33 Europe Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 34 Europe Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 35 Europe Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 36 Europe Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 37 Europe Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 38 Germany Macroeconomic Outlay

Table 39 Germany Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 40 Germany Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 41 Germany Microcrystalline Cellulose Market Estimates & Forecasts, By Form,

2018 - 2030 (Kilotons)

Table 42 Germany Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 43 Germany Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 44 Germany Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 45 UK Macroeconomic Outlay

Table 46 UK Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 47 UK Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 48 UK Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 49 UK Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 50 UK Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 51 UK Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 52 France Macroeconomic Outlay

Table 53 France Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 54 France Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 55 France Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 56 France Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 57 France Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 58 France Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 590 Italy Macroeconomic Outlay

Table 60 Italy Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 61 Italy Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 62 Italy Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 -

2030 (Kilotons)

Table 63 Italy Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 64 Italy Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 65 Italy Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 661 Spain Macroeconomic Outlay

Table 67 Spain Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 68 Spain Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 69 Spain Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 70 Spain Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 71 Spain Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 72 Spain Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 73 Asia Pacific Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 74 Asia Pacific Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 75 Asia Pacific Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 76 Asia Pacific Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 77 Asia Pacific Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 78 Asia Pacific Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 79 China Macroeconomic Outlay

Table 80 China Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 81 China Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 82 China Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 83 China Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 84 China Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 85 China Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 86 India Macroeconomic Outlay

Table 87 India Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 88 India Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 89 India Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 90 India Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 91 India Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 92 India Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 93 Japan Macroeconomic Outlay

Table 94 Japan Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 95 Japan Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 96 Japan Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 97 Japan Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 98 Japan Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 99 Japan Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 1000 South Korea Macroeconomic Outlay

Table 101 South Korea Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 102 South Korea Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 103 South Korea Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)



Table 104 South Korea Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 105 South Korea Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 106 South Korea Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 107 Central & South America Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 108 Central & South America Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 109 Central & South America Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 110 Central & South America Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 111 Central & South America Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 112 Central & South America Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 113 Brazil Macroeconomic Outlay

Table 114 Brazil Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 115 Brazil Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 116 Brazil Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 117 Brazil Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 118 Brazil Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 119 Brazil Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 120 Argentina Macroeconomic Outlay

Table 121 Argentina Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 122 Argentina Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 123 Argentina Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 124 Argentina Microcrystalline Cellulose Market Estimates & Forecasts, By Form,



2018 - 2030 (USD Million)

Table 125 Argentina Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 126 Argentina Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 127 Middle East & Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 128 Middle East & Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 129 Middle East & Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 130 Middle East & Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 131 Middle East & Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 132 Middle East & Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 133 Saudi Arabia Macroeconomic Outlay

Table 134 Saudi Arabia Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 135 Saudi Arabia Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 136 Saudi Arabia Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 137 Saudi Arabia Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 138 Saudi Arabia Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 139 Saudi Arabia Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 140 South Africa Macroeconomic Outlay

Table 141 South Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (Kilotons)

Table 142 South Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Source, 2018 - 2030 (USD Million)

Table 143 South Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (Kilotons)

Table 144 South Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Form, 2018 - 2030 (USD Million)

Table 145 South Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (Kilotons)

Table 146 South Africa Microcrystalline Cellulose Market Estimates & Forecasts, By Application, 2018 - 2030 (USD Million)

Table 147 Participant's Overview

Table 148 Financial Performance

Table 149 Product Benchmarking

Table 150 Company Heat Map Analysis

Table 151 Key Strategy Mapping

## List Of Figures

### LIST OF FIGURES

1. North America spirits market segmentation
2. Information procurement
3. Primary research pattern
4. Primary research approaches
5. Primary research process
6. Market snapshot
7. Segment snapshot
8. Competitive landscape snapshot
9. North America spirits market - Penetration & growth prospect mapping
10. North America spirits market - Value chain analysis
11. North America spirits market - Retail chain analysis
12. North America spirits market: Dynamics
13. Consumers actively trying to reduce their alcohol consumption in the U.S. in 2022, by age
14. North America spirits market: Porter's Five Forces Analysis
15. Roadmap of North America spirits market
16. North America spirits consumers, by age group, 2022
17. North America spirits consumers, by gender, 2022
18. North America spirits consumption, by income group, 2022
19. Factors affecting buying decisions for spirits
20. North America spirits market, by product: Key takeaways
21. North America spirits market, by product: Market share, 2023 & 2030
22. North America whiskey market estimates & forecasts, 2018 - 2030 (USD Billion)
23. North America vodka market estimates & forecasts, 2018 - 2030 (USD Billion)
24. North America gin market estimates & forecasts, 2018 - 2030 (USD Billion)
25. North America rum market estimates & forecasts, 2018 - 2030 (USD Billion)
26. North America brandy market estimates & forecasts, 2018 - 2030 (USD Billion)
27. North America other spirits market estimates & forecasts, 2018 - 2030 (USD Billion)
28. North America spirits market, by distribution channel: Key takeaways
29. North America spirits market, by distribution channel: Market share, 2023 & 2030
30. North America spirits market estimates & forecasts through on-trade channels, 2018 - 2030 (USD Billion)
31. North America spirits market estimates & forecasts through liquor stores, 2018 - 2030 (USD Billion)

32. North America spirits market estimates & forecasts through online retail stores, 2018 - 2030 (USD Billion)
33. North America spirits market estimates & forecasts through other distribution channels, 2018 - 2030 (USD Billion)
34. North America spirits market, by caps & closure: Key takeaways
35. North America spirits market, by caps & closure: Market share, 2023 & 2030
36. North America spirits market estimates & forecasts, by screw-top, 2018 - 2030 (USD Million)
37. North America spirits market estimates & forecasts, by bar-top/cork, 2018 - 2030 (USD Million)
38. North America spirits market estimates & forecasts, by others, 2018 - 2030 (USD Million)
39. North America spirits market, by caps & closure material: Key takeaways
40. North America spirits market, by caps & closure material: Market share, 2023 & 2030
41. North America spirits market estimates & forecasts, by metal, 2018 - 2030 (USD Million)
42. North America spirits market estimates & forecasts, by plastic, 2018 - 2030 (USD Million)
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