

Microcrystalline Cellulose (MCC) Market by Source (Wood based, non-wood based), Application (Food & Beverage, Pharmaceutical, Cosmetics & Personal Care), and Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Global Forecast to 2030

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Report description:

The microcrystalline cellulose market is estimated at USD 1.33 billion in 2025 and is projected to reach USD 1.88 billion by 2030, at a CAGR of 7.1%. The demand for non-wood based microcrystalline cellulose is increasing rapidly due to its unique combination of properties. Non-wood sources such as agricultural residues (e.g., maize stems, sorghum stalks, almond shells) are widely available, renewable, and often considered waste products. Utilizing these materials for microcrystalline cellulose production not only reduces environmental waste but also provides a cost-effective and sustainable feedstock. Leveraging agricultural waste for microcrystalline cellulose production aligns with circular economy principles by turning waste into valuable products and reducing reliance on virgin wood resources. Increasing regulatory focus on sustainability, especially in Europe and other regions, is encouraging manufacturers to adopt greener, non-wood sources for excipients like microcrystalline cellulose.

The industrial demand for microcrystalline cellulose has raised concerns about deforestation and the environmental impact of continuously sourcing wood as a raw material. This has created a strong impetus to explore and utilize alternative, more sustainable sources such as agricultural by-products and non-wood plant fibers.

"The food & beverage application is projected to be the second fastest-growing application in the forecast period."

Food & beverage application is expected to register the fastest growth rate in the microcrystalline cellulose market, driven by a unique combination of functional and physicochemical properties. Microcrystalline cellulose is widely used as a stabilizer, thickening agent, binder, viscosity modifier, and fat-reducing agent. It acts as a fat substitute in aqueous condition, which contributes to mouthfeel, body, and consistency to food products. Hence, it is used in bakeries, dairy products, frozen desserts,

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and so on. Additionally, microcrystalline cellulose is useful in increasing volume of baked food. The growing demand for low-fat foods and ready-to-consume fried foods is the major factor positively impacting the microcrystalline cellulose market growth. Microcrystalline cellulose maintains stability at high temperatures, making it suitable for processed and frozen foods where it prevents ice crystal formation and ensures a smooth, soft texture.

"Asia Pacific is projected to register the highest growth rate in the microcrystalline cellulose market during the forecast period." Asia Pacific is projected to be the fastest-growing region in the microcrystalline cellulose market during the forecast period.

Continuous growth in local demand and an increase in exports is driving the microcrystalline cellulose market in the region. The increase in demand for end-use products has led to innovations and developments in the application industries, making them the key microcrystalline cellulose hubs globally. The high growth of the pharmaceutical, food & beverage, and cosmetics & personal care applications in this region has led to an increase in the demand for microcrystalline cellulose. International and domestic players are focusing on the growing Asia Pacific market to open new microcrystalline cellulose production facilities and expand the existing ones in the developing economies due to the availability of low-cost labor and raw material.

This study has been validated through primary interviews with industry experts globally. The primary sources have been divided into the following three categories:

- By Company Type: Tier 1 - 40%, Tier 2 - 33%, and Tier 3 - 27%
- By Designation: C-level - 50%, Director-level - 30%, and Managers - 20%

- By Region: North America - 15%, Europe - 50%, Asia Pacific - 20%, the Middle East & Africa - 10%, and Latin America - 5%

The report provides a comprehensive analysis of the following companies:

Prominent companies in this market include Asahi Kasei Corporation (Japan), Rayonier Advanced Materials (RYAM, US), Sigachi Industries (India), DFE Pharma (Germany), International Flavors & Fragrances Inc. (New York), Accent Microcell Ltd. (India), Mingtai Chemical Co., Ltd. (China), Chemfield Cellulose (India), Anhui Sunhere Pharmaceutical Excipients Co., Ltd. (China), Roquette Freres (France), J. Rettenmaier & Sohne GmbH + Co. Kg (JRS Pharma, Germany), RanQ (India), and Huzhou City Linghu Xinwang Chemical Co., Ltd. (China).

Research coverage

This research report categorizes the microcrystalline cellulose market by source (wood based, non-wood based), by application (food & beverage, pharmaceutical, cosmetics & personal care, and other applications), by region. The scope of the report includes detailed information about the major factors influencing the growth of the microcrystalline cellulose market, such as drivers, restraints, challenges, and opportunities. A thorough examination of the key industry players has been conducted to provide insights into their business overview, solutions and services, key strategies, and recent developments in the microcrystalline cellulose market are all covered. This report includes a competitive analysis of upcoming startups in the microcrystalline cellulose market ecosystem.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall microcrystalline cellulose market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following points:

- Analysis of key drivers (growing use of microcrystalline cellulose in the pharmaceutical industry and increasing use of microcrystalline cellulose in the processed food industry), restraints (availability of substitutes for specific food & beverage and pharmaceutical applications and strict compliance requirements), opportunities (increasing demand from emerging economies

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and growth in manufacturing of non-wood based microcrystalline cellulose), and challenges (production of low-cost microcrystalline cellulose and pricing pressure) influencing the growth of the microcrystalline cellulose market.

-□Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and service launches in the microcrystalline cellulose market.

-□Market Development: Comprehensive information about lucrative markets - the report analyses the microcrystalline cellulose market across varied regions.

-□Market Diversification: Exhaustive information about services, untapped geographies, recent developments, and investments in the microcrystalline cellulose market.

-□Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Asahi Kasei Corporation (Japan), Rayonier Advanced Materials (RYAM, US), Sigachi Industries (India), DFE Pharma (Germany), International Flavors & Fragrances Inc. (New York), Accent Microcell Ltd. (India), Mingtai Chemical Co., Ltd. (China), Chemfield Cellulose (India), Anhui Sunhere Pharmaceutical Excipients Co., Ltd. (China), Roquette Freres (France), J. Rettenmaier & Sohne GmbH + Co. Kg (JRS Pharma, Germany), RanQ (India), and Huzhou City Linghu Xinwang Chemical Co., Ltd. (China) in the microcrystalline cellulose market

Table of Contents:

| | | |
|---------|--------------------------------------|----|
| 1 | INTRODUCTION | 26 |
| 1.1 | STUDY OBJECTIVES | 26 |
| 1.2 | MARKET DEFINITION | 26 |
| 1.3 | STUDY SCOPE | 27 |
| 1.3.1 | MARKETS COVERED AND REGIONAL SCOPE | 27 |
| 1.3.2 | INCLUSIONS AND EXCLUSIONS | 28 |
| 1.3.3 | YEARS CONSIDERED | 28 |
| 1.3.4 | CURRENCY CONSIDERED | 28 |
| 1.3.5 | UNITS CONSIDERED | 29 |
| 1.4 | STAKEHOLDERS | 29 |
| 1.5 | SUMMARY OF CHANGES | 29 |
| 2 | RESEARCH METHODOLOGY | 30 |
| 2.1 | RESEARCH DATA | 30 |
| 2.1.1 | SECONDARY DATA | 31 |
| 2.1.1.1 | List of key secondary sources | 31 |
| 2.1.1.2 | Key data from secondary sources | 31 |
| 2.1.2 | PRIMARY DATA | 32 |
| 2.1.2.1 | Key data from primary sources | 32 |
| 2.1.2.2 | Key primary participants | 32 |
| 2.1.2.3 | Breakdown of interviews with experts | 33 |
| 2.1.2.4 | Key industry insights | 33 |
| 2.2 | MARKET SIZE ESTIMATION | 33 |
| 2.2.1 | BOTTOM-UP APPROACH | 34 |
| 2.2.2 | TOP-DOWN APPROACH | 34 |
| 2.3 | BASE NUMBER CALCULATION | 35 |
| 2.3.1 | APPROACH 1: SUPPLY-SIDE ANALYSIS | 35 |
| 2.3.2 | APPROACH 2: DEMAND-SIDE ANALYSIS | 35 |

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| | | |
|---------|--|----|
| 2.4 | MARKET FORECAST APPROACH | 36 |
| 2.4.1 | SUPPLY SIDE | 36 |
| 2.4.2 | DEMAND SIDE | 36 |
| 2.5 | DATA TRIANGULATION | 36 |
| 2.6 | FACTOR ANALYSIS | 38 |
| 2.7 | RESEARCH ASSUMPTIONS | 38 |
| 2.8 | RESEARCH LIMITATIONS AND RISK ASSESSMENT | 39 |
| 3 | EXECUTIVE SUMMARY | 40 |
| ? | | |
| 4 | PREMIUM INSIGHTS | 43 |
| 4.1 | ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN MICROCRYSTALLINE CELLULOSE MARKET | 43 |
| 4.2 | MICROCRYSTALLINE CELLULOSE MARKET, BY APPLICATION AND REGION | 44 |
| 4.3 | MICROCRYSTALLINE CELLULOSE MARKET, BY SOURCE | 44 |
| 4.4 | MICROCRYSTALLINE CELLULOSE MARKET, BY COUNTRY | 45 |
| 5 | MARKET OVERVIEW | 46 |
| 5.1 | INTRODUCTION | 46 |
| 5.2 | MARKET DYNAMICS | 47 |
| 5.2.1 | DRIVERS | 47 |
| 5.2.1.1 | Growing use in pharmaceutical industry | 47 |
| 5.2.1.2 | Increasing use in processed food industry | 48 |
| 5.2.2 | RESTRAINTS | 48 |
| 5.2.2.1 | Availability of substitutes for specific food & beverage and pharmaceutical applications | 48 |
| 5.2.2.2 | Stringent compliance requirements | 48 |
| 5.2.3 | OPPORTUNITIES | 49 |
| 5.2.3.1 | Increasing demand from emerging economies | 49 |
| 5.2.3.2 | Growth in manufacture of non-wood-based microcrystalline cellulose | 49 |
| 5.2.4 | CHALLENGES | 49 |
| 5.2.4.1 | Production of low-cost microcrystalline cellulose | 49 |
| 5.2.4.2 | Pricing pressure | 50 |
| 5.3 | PORTER'S FIVE FORCES ANALYSIS | 50 |
| 5.3.1 | THREAT OF NEW ENTRANTS | 51 |
| 5.3.2 | THREAT OF SUBSTITUTES | 51 |
| 5.3.3 | BARGAINING POWER OF SUPPLIERS | 51 |
| 5.3.4 | BARGAINING POWER OF BUYERS | 51 |
| 5.3.5 | INTENSITY OF COMPETITIVE RIVALRY | 52 |
| 5.4 | KEY STAKEHOLDERS AND BUYING CRITERIA | 52 |
| 5.4.1 | KEY STAKEHOLDERS IN BUYING PROCESS | 52 |
| 5.4.2 | BUYING CRITERIA | 53 |
| 5.5 | MACROECONOMICS INDICATORS | 54 |
| 5.5.1 | INTRODUCTION | 54 |
| 5.5.2 | GDP TRENDS AND FORECAST | 54 |
| 5.5.3 | TRENDS IN PHARMACEUTICAL INDUSTRY | 55 |
| 5.5.4 | TRENDS IN FOOD & BEVERAGE INDUSTRY | 56 |
| 5.6 | SUPPLY CHAIN ANALYSIS | 56 |
| 5.6.1 | RAW MATERIAL | 57 |
| 5.6.2 | FINAL PRODUCT ANALYSIS | 57 |
| 5.7 | VALUE CHAIN ANALYSIS | 57 |

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- 5.8 ECOSYSTEM ANALYSIS 58
- 5.9 PRICING ANALYSIS 60
 - 5.9.1 AVERAGE SELLING PRICE TREND OF APPLICATIONS, BY KEY PLAYER, 2024 60
 - 5.9.2 AVERAGE SELLING PRICE TREND OF MICROCRYSTALLINE CELLULOSE, BY KEY PLAYER, 2024 61
 - 5.9.3 AVERAGE SELLING PRICE TREND, BY SOURCE, 2022-2025 61
 - 5.9.4 AVERAGE SELLING PRICE TREND, BY APPLICATION, 2022-2025 62
 - 5.9.5 AVERAGE SELLING PRICE TREND, BY REGION, 2022-2025 62
- 5.10 TRADE ANALYSIS 63
 - 5.10.1 IMPORT SCENARIO (HS CODE 391290) 64
 - 5.10.2 EXPORT SCENARIO (HS CODE 391290) 65
- 5.11 TECHNOLOGY ANALYSIS 66
 - 5.11.1 KEY TECHNOLOGIES 66
 - 5.11.1.1 Steam explosion 66
 - 5.11.1.2 Enzyme-mediated synthesis 66
 - 5.11.1.3 Reactive extrusion 67
 - 5.11.2 COMPLEMENTARY TECHNOLOGIES 67
 - 5.11.2.1 Nanocellulose technology 67
 - 5.11.2.2 Micro structuring 68
- 5.12 IMPACT OF AI/GEN AI ON MICROCRYSTALLINE CELLULOSE MARKET 69
 - 5.12.1 TOP USE CASES AND MARKET POTENTIAL 69
 - 5.12.2 BEST PRACTICES IN MICROCRYSTALLINE CELLULOSE MARKET 70
 - 5.12.3 CASE STUDIES OF AI IMPLEMENTATION IN MICROCRYSTALLINE CELLULOSE MARKET 70
 - 5.12.4 CLIENTS' READINESS TO ADOPT GENERATIVE AI IN MICROCRYSTALLINE CELLULOSE MARKET 70
- 5.13 PATENT ANALYSIS 70
 - 5.13.1 INTRODUCTION 70
 - 5.13.2 METHODOLOGY 71
 - 5.13.3 PATENT TYPE 71
 - 5.13.4 INSIGHTS 72
 - 5.13.5 LEGAL STATUS OF PATENTS 72
 - 5.13.6 JURISDICTION ANALYSIS 73
 - 5.13.7 TOP APPLICANTS 73
 - 5.13.8 LIST OF PATENTS BY ASTRAZENECA AB 74
 - 5.13.9 LIST OF PATENTS BY DISHA PHARMACEUTICAL GROUP CO 74
 - 5.13.10 LIST OF PATENTS BY CHONGQING RUNZE PHARMACEUTICAL 75
- 5.14 REGULATORY LANDSCAPE 75
 - 5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 75
- 5.15 KEY CONFERENCES AND EVENTS, 2025-2026 77
- 5.16 CASE STUDY ANALYSIS 78
 - 5.16.1 EXPANDING PRESENCE IN EUROPEAN AND MIDDLE EAST & AFRICAN REGION FOR DFE PHARMA 78
 - 5.16.2 MINGTAI CHEMICAL CO., LTD. EXPANDED PRODUCTION CAPACITY 78
 - 5.16.3 ROQUETTE FRERES OPENED PHARMACEUTICAL INNOVATION CENTER 79
- 5.17 TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS 79
- 5.18 INVESTMENT AND FUNDING SCENARIO 80
- 5.19 IMPACT OF 2025 US TARIFF - MICROCRYSTALLINE CELLULOSE MARKET 81
 - 5.19.1 INTRODUCTION 81
- 5.20 KEY TARIFF RATES 82

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| | | |
|-----------|---|-----|
| 5.21 | PRICE IMPACT ANALYSIS | 83 |
| 5.22 | KEY IMPACTS ON COUNTRY/REGION | 83 |
| 5.22.1 | US | 83 |
| 5.22.2 | EUROPE | 84 |
| 5.22.3 | ASIA PACIFIC | 86 |
| 5.23 | END-USE INDUSTRY-LEVEL IMPACT | 88 |
| 6 | MICROCRYSTALLINE CELLULOSE MARKET, BY SOURCE | 89 |
| 6.1 | INTRODUCTION | 90 |
| 6.2 | WOOD-BASED | 91 |
| 6.2.1 | HIGH PURITY, HOMOGENEITY, PRODUCT CONSISTENCY, AND SAFETY IN DRUG MANUFACTURING AND FOOD PROCESSING TO DRIVE GROWTH | 91 |
| 6.3 | NON-WOOD-BASED | 93 |
| 6.3.1 | INCREASED APPLICATIONS DUE TO REDUCED PRICES AND HIGHER VOLUME CONSUMPTION TO BOOST DEMAND | 93 |
| 7 | MICROCRYSTALLINE CELLULOSE MARKET, BY APPLICATION | 96 |
| 7.1 | INTRODUCTION | 97 |
| 7.2 | FOOD & BEVERAGE | 98 |
| 7.2.1 | GROWING DEMAND FOR LOW-FAT FOODS AND READY-TO-CONSUME FRIED FOODS TO DRIVE ADOPTION | 98 |
| 7.3 | PHARMACEUTICAL | 100 |
| 7.3.1 | DEMAND AS FILLER, BINDER, DISINTEGRANT, SUSPENDING AGENT, LUBRICANT, AND GLIDANT TO BOOST GROWTH | 100 |
| 7.4 | COSMETICS & PERSONAL CARE | 102 |
| 7.4.1 | DEMAND FOR NATURAL AND SUSTAINABLE INGREDIENTS TO DRIVE GROWTH | 102 |
| 7.5 | OTHER APPLICATIONS | 104 |
| 8 | MICROCRYSTALLINE CELLULOSE MARKET, BY REGION | 106 |
| 8.1 | INTRODUCTION | 107 |
| 8.1.1 | MICROCRYSTALLINE CELLULOSE MARKET, BY REGION | 108 |
| 8.2 | NORTH AMERICA | 109 |
| 8.2.1 | NORTH AMERICA: MICROCRYSTALLINE CELLULOSE MARKET, BY SOURCE | 110 |
| 8.2.2 | NORTH AMERICA: MICROCRYSTALLINE CELLULOSE MARKET, BY APPLICATION | 112 |
| | ? | |
| 8.2.3 | NORTH AMERICA: MICROCRYSTALLINE CELLULOSE MARKET, BY COUNTRY | 113 |
| 8.2.3.1 | US | 114 |
| 8.2.3.1.1 | Stringent regulatory environment to favor high demand | 114 |
| 8.2.3.2 | Canada | 116 |
| 8.2.3.2.1 | Increasing utilization as bulking agent, fat replacer, and texturizer in processed foods to boost market | 116 |
| 8.3 | EUROPE | 117 |
| 8.3.1 | EUROPE: MICROCRYSTALLINE CELLULOSE MARKET, BY SOURCE | 118 |
| 8.3.2 | EUROPE: MICROCRYSTALLINE CELLULOSE MARKET, BY APPLICATION | 120 |
| 8.3.3 | EUROPE: MICROCRYSTALLINE CELLULOSE MARKET, BY COUNTRY | 121 |
| 8.3.3.1 | Germany | 123 |
| 8.3.3.1.1 | Large and diversified food & beverage industry to drive growth | 123 |
| 8.3.3.2 | France | 124 |
| 8.3.3.2.1 | High demand from cosmetics & personal care industry to fuel market | 124 |
| 8.3.3.3 | UK | 126 |
| 8.3.3.3.1 | Pharmaceutical and food & beverage sectors to drive demand | 126 |
| 8.3.3.4 | Italy | 128 |
| 8.3.3.4.1 | Strong demand from pharmaceutical, food & beverage, and cosmetics sectors to drive market | 128 |
| 8.3.3.5 | Spain | 129 |

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- 8.3.3.5.1 Rising consumption in pharmaceutical sector to propel growth 129
- 8.3.3.6 Rest of Europe 131
- 8.4 ASIA PACIFIC 133
- 8.4.1 ASIA PACIFIC: MICROCRYSTALLINE CELLULOSE MARKET, BY SOURCE 134
- 8.4.2 ASIA PACIFIC: MICROCRYSTALLINE CELLULOSE MARKET, BY APPLICATION 135
- 8.4.3 ASIA PACIFIC: MICROCRYSTALLINE CELLULOSE MARKET, BY COUNTRY 136
- 8.4.3.1 China 137
- 8.4.3.1.1 Rapidly growing pharmaceutical manufacturing industry to boost growth 137
- 8.4.3.2 South Korea 139
- 8.4.3.2.1 Robust pharmaceutical industry to drive market 139
- 8.4.3.3 India 141
- 8.4.3.3.1 Pharmaceutical and food & beverage sectors to support growth 141
- 8.4.3.4 Japan 142
- 8.4.3.4.1 Organized manufacturing environment and government regulations to drive growth 142
- 8.4.3.5 Rest of Asia Pacific 144
- ?
- 8.5 LATIN AMERICA 145
- 8.5.1 LATIN AMERICA: MICROCRYSTALLINE CELLULOSE MARKET, BY SOURCE 146
- 8.5.2 LATIN AMERICA: MICROCRYSTALLINE CELLULOSE MARKET, BY APPLICATION 147
- 8.5.3 LATIN AMERICA: MICROCRYSTALLINE CELLULOSE MARKET, BY COUNTRY 148
- 8.5.3.1 Brazil 149
- 8.5.3.1.1 Low labor and manufacturing costs to fuel growth 149
- 8.5.3.2 Mexico 151
- 8.5.3.2.1 Drug efficacy, dosage consistency, and regulatory compliance to drive market 151
- 8.5.3.3 Rest of Latin America 153
- 8.6 MIDDLE EAST & AFRICA 154
- 8.6.1 MIDDLE EAST & AFRICA: MICROCRYSTALLINE CELLULOSE MARKET, BY SOURCE 154
- 8.6.2 MIDDLE EAST & AFRICA: MICROCRYSTALLINE CELLULOSE MARKET, BY APPLICATION 155
- 8.6.3 MIDDLE EAST & AFRICA: MICROCRYSTALLINE CELLULOSE MARKET, BY COUNTRY 157
- 8.6.3.1 GCC countries 158
- 8.6.3.1.1 UAE 158
- 8.6.3.1.1.1 Expanding pharmaceutical sector and rising consumer demand to fuel growth 158
- 8.6.3.1.2 Saudi Arabia 160
- 8.6.3.1.2.1 Focus on quality assurance to support adoption 160
- 8.6.3.1.3 Rest of GCC 161
- 8.6.3.2 South Africa 163
- 8.6.3.2.1 Expanding pharmaceutical industry meeting rising healthcare needs to propel demand 163
- 8.6.3.3 Rest of Middle East & Africa 165
- 9 COMPETITIVE LANDSCAPE 167
- 9.1 OVERVIEW 167
- 9.2 KEY PLAYER STRATEGIES/RIGHT TO WIN 167
- 9.3 REVENUE ANALYSIS, 2019-2023 169
- 9.4 MARKET SHARE ANALYSIS, 2024 170
- 9.5 BRAND/PRODUCT COMPARISON 172
- 9.5.1 CEOLUS (ASAHI KASEI CORPORATION) 173
- 9.5.2 HICEL (SIGACHI INDUSTRIES) 173
- 9.5.3 PHARMACEL (DFE PHARMA) 173

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|------------|--|-----|
| 9.5.4 | AVICEL (INTERNATIONAL FLAVORS & FRAGRANCES INC.) | 173 |
| 9.6 | COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024 | 173 |
| 9.6.1 | STARS | 173 |
| 9.6.2 | EMERGING LEADERS | 173 |
| 9.6.3 | PERVASIVE PLAYERS | 174 |
| 9.6.4 | PARTICIPANTS | 174 |
| 9.6.5 | COMPANY FOOTPRINT: KEY PLAYERS, 2024 | 175 |
| 9.6.5.1 | Company footprint | 175 |
| 9.6.5.2 | Region footprint | 175 |
| 9.6.5.3 | Source footprint | 176 |
| 9.6.5.4 | Application footprint | 177 |
| 9.7 | COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024 | 177 |
| 9.7.1 | PROGRESSIVE COMPANIES | 177 |
| 9.7.2 | RESPONSIVE COMPANIES | 178 |
| 9.7.3 | DYNAMIC COMPANIES | 178 |
| 9.7.4 | STARTING BLOCKS | 178 |
| 9.7.5 | COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024 | 179 |
| 9.7.5.1 | Detailed list of key startups/SMEs | 179 |
| 9.7.5.2 | Competitive benchmarking of key startups/SMEs | 180 |
| 9.8 | COMPANY VALUATION AND FINANCIAL METRICS | 181 |
| 9.9 | COMPETITIVE SCENARIO | 181 |
| 9.9.1 | PRODUCT LAUNCHES | 182 |
| 9.9.2 | DEALS | 182 |
| 9.9.3 | EXPANSIONS | 183 |
| 10 | COMPANY PROFILES | 185 |
| 10.1 | KEY PLAYERS | 185 |
| 10.1.1 | ASAHI KASEI CORPORATION | 185 |
| 10.1.1.1 | Business overview | 185 |
| 10.1.1.2 | Products/Solutions/Services offered | 186 |
| 10.1.1.3 | Recent developments | 187 |
| 10.1.1.3.1 | Product launches | 187 |
| 10.1.1.3.2 | Expansions | 187 |
| 10.1.1.4 | MnM view | 188 |
| 10.1.1.4.1 | Right to win | 188 |
| 10.1.1.4.2 | Strategic choices | 188 |
| 10.1.1.4.3 | Weaknesses and competitive threats | 188 |
| 10.1.2 | SIGACHI INDUSTRIES | 189 |
| 10.1.2.1 | Business overview | 189 |
| 10.1.2.2 | Products/Solutions/Services offered | 190 |
| 10.1.2.3 | Recent developments | 190 |
| 10.1.2.3.1 | Expansions | 190 |
| 10.1.2.4 | MnM view | 190 |
| 10.1.2.4.1 | Right to win | 190 |
| 10.1.2.4.2 | Strategic choices | 190 |
| 10.1.2.4.3 | Weaknesses and competitive threats | 191 |
| ? | | |
| 10.1.3 | DFE PHARMA | 192 |

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| | | |
|------------|---|-----|
| 10.1.3.1 | Business overview | 192 |
| 10.1.3.2 | Products/Solutions/Services offered | 192 |
| 10.1.3.3 | Recent developments | 193 |
| 10.1.3.3.1 | Product launches | 193 |
| 10.1.3.3.2 | Deals | 193 |
| 10.1.3.3.3 | Expansions | 193 |
| 10.1.3.4 | MnM view | 194 |
| 10.1.3.4.1 | Right to win | 194 |
| 10.1.3.4.2 | Strategic choices | 194 |
| 10.1.3.4.3 | Weaknesses and competitive threats | 194 |
| 10.1.4 | INTERNATIONAL FLAVORS & FRAGRANCES INC. (IFF) | 195 |
| 10.1.4.1 | Business overview | 195 |
| 10.1.4.2 | Products/Solutions/Services offered | 196 |
| 10.1.4.3 | Recent developments | 197 |
| 10.1.4.3.1 | Deals | 197 |
| 10.1.4.3.2 | Expansions | 198 |
| 10.1.4.4 | MnM view | 198 |
| 10.1.4.4.1 | Right to win | 198 |
| 10.1.4.4.2 | Strategic choices | 198 |
| 10.1.4.4.3 | Weaknesses and competitive threats | 198 |
| 10.1.5 | ACCENT MICROCELL LTD. | 199 |
| 10.1.5.1 | Business overview | 199 |
| 10.1.5.2 | Products/Solutions/Services offered | 200 |
| 10.1.5.3 | MnM view | 200 |
| 10.1.5.3.1 | Right to win | 200 |
| 10.1.5.3.2 | Strategic choices | 200 |
| 10.1.5.3.3 | Weaknesses and competitive threats | 201 |
| 10.1.6 | MINGTAI CHEMICAL CO., LTD. | 202 |
| 10.1.6.1 | Business overview | 202 |
| 10.1.6.2 | Products/Solutions/Services offered | 202 |
| 10.1.6.3 | Recent developments | 203 |
| 10.1.6.3.1 | Expansions | 203 |
| 10.1.6.4 | MnM view | 203 |
| 10.1.6.4.1 | Right to win | 203 |
| 10.1.6.4.2 | Strategic choices | 203 |
| 10.1.6.4.3 | Weaknesses and competitive threats | 203 |
| 10.1.7 | CHEMFIELD CELLULOSE | 204 |
| 10.1.7.1 | Business overview | 204 |
| 10.1.7.2 | Products/Solutions/Services offered | 204 |
| 10.1.7.3 | MnM view | 205 |
| 10.1.7.3.1 | Right to win | 205 |
| 10.1.7.3.2 | Strategic choices | 205 |
| 10.1.7.3.3 | Weaknesses and competitive threats | 205 |
| 10.1.8 | ANHUI SUNHERE PHARMACEUTICAL EXCIPIENTS CO., LTD. | 206 |
| 10.1.8.1 | Business overview | 206 |
| 10.1.8.2 | Products/Solutions/Services offered | 206 |
| 10.1.8.3 | MnM view | 207 |

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- 10.1.8.3.1 Right to win 207
- 10.1.8.3.2 Strategic choices 207
- 10.1.8.3.3 Weaknesses and competitive threats 207
- 10.1.9 ROQUETTE FRERES 208
- 10.1.9.1 Business overview 208
- 10.1.9.2 Products/Solutions/Services offered 209
- 10.1.9.3 Recent developments 211
- 10.1.9.3.1 Expansions 211
- 10.1.9.4 MnM view 211
- 10.1.9.4.1 Right to win 211
- 10.1.9.4.2 Strategic choices 211
- 10.1.9.4.3 Weaknesses and competitive threats 211
- 10.1.10 J. RETTENMAIER & SOHNE GMBH + CO. KG (JRS PHARMA) 212
- 10.1.10.1 Business overview 212
- 10.1.10.2 Products/Solutions/Services offered 212
- 10.1.10.3 MnM view 213
- 10.1.10.3.1 Right to win 213
- 10.1.10.3.2 Strategic choices 213
- 10.1.10.3.3 Weaknesses and competitive threats 213
- 10.1.11 RANQ 214
- 10.1.11.1 Business overview 214
- 10.1.11.2 Products/Solutions/Services offered 214
- 10.1.11.3 MnM view 215
- 10.1.11.3.1 Right to win 215
- 10.1.11.3.2 Strategic choices 215
- 10.1.11.3.3 Weaknesses and competitive threats 215
- 10.1.12 HUZHOU CITY LINGHU XINWANG CHEMICAL CO., LTD. 216
- 10.1.12.1 Business overview 216
- 10.1.12.2 Products/Solutions/Services offered 216
- 10.1.12.3 MnM view 216
- 10.1.12.3.1 Right to win 216
- 10.1.12.3.2 Strategic choices 216
- 10.1.12.3.3 Weaknesses and competitive threats 217
- ?
- 10.2 OTHER PLAYERS 218
- 10.2.1 FOODCHEM INTERNATIONAL CORPORATION 218
- 10.2.2 LIBRAW PHARMA 218
- 10.2.3 SIXRING 219
- 10.2.4 PHARMATRANS-SANAQ AG 219
- 10.2.5 GODAVARI BIOREFINERIES LTD. 220
- 10.2.6 SHANDONG LOOK CHEMICAL CO., LTD. 220
- 10.2.7 PRACHIN CHEMICAL 221
- 10.2.8 AVANTOR, INC. 221
- 10.2.9 SIDLEY CHEMICAL CO., LTD. 222
- 10.2.10 STELLAR EXPORTS 222
- 10.2.11 CELLUTECH 223
- 10.2.12 MAPLE BIOTECH PVT. LTD. 224

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11 APPENDIX 225

11.1 DISCUSSION GUIDE 225

11.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL 227

11.3 CUSTOMIZATION OPTIONS 229

11.4 RELATED REPORTS 229

11.5 AUTHOR DETAILS 230

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