

Nanocellulose Market Report and Forecast 2025-2034

Market Report | 2025-08-11 | 169 pages | EMR Inc.

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Report description:

The global nanocellulose market size attained a value of approximately USD 560.49 Million in 2024. The market is further expected to grow in the forecast period of 2025-2034 at a CAGR of 21.70%, reaching a value of around USD 3994.60 Million by 2034.

The thriving food packaging sector is one of the major contributors adding to the growth of the market for nanocellulose. Increasing demand for clean-labelled ready-to-eat and ready-to-cook meals and fresh juices and soft drinks are escalating the use of nanocellulose for high-quality packaging. Growing research and development activities aimed towards producing bio-based packaging solutions to encourage intelligent packaging for long-term sustainability are likely to expand the nanocellulose market opportunity.

Meanwhile, the increasing application of nanocellulose in oilfield chemistry, in various arenas such as drilling fluid chemistry and production chemistry is enlarging the market. Increasing investments in oil exploration activities and oilfield research processes are further expected to aid the market for nanocellulose.

Global Nanocellulose Market Share by Region

Growing demand from the pulp and paper industry is boosting the market for nanocellulose in Europe. Further, the increasing investments in research and development in the European regions by key players are also augmenting the demand for nanocellulose in the region.

North America is also one of the major regional markets for nanocellulose. The growth of the regional market is attributed to the increasing commercial construction sector and renovation projects in North America. The rapidly growing paints and coatings industry, food and beverage industry, and cosmetics sector are further projected to propel the growth of the nanocellulose market in the North American region.

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Nanocellulose: Market Segmentation

Nanocellulose is a light solid material, which is produced from plant matter and comprises of nanosized cellulose fibrils. The nano-structured cellulose is known as nanocellulose and is a pseudo plastic in nature with the characteristics of specific kinds of thick gels or fluids.

Market Breakup by Product Type

- Nanocrystalline Cellulose (NCC)
- Nanofibrillated Cellulose (NFC)
- Bacterial Cellulose (BC)
- Others

Market Breakup by Application

- Composites and Packaging
- Pulp and Paper
- Food and Beverages
- Paints and Coatings
- Biomedical and Pharmaceuticals
- Oil and Gas
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Demand for Sustainable Packaging Materials to Propel the Nanocellulose Market Growth

Nanocellulose is a renewable and economic material that can satisfy the growing demand for biodegradable packaging in lightweight packaging market. Its strong strength and stretchability is augmenting its demand in the packaging sector, leading to the expansion of the market for nanocellulose. The flourishing food and beverage market is further boosting the market for nanocellulose. Increasing global awareness of biodegradability and increasing stringent government regulations for sustainable development are also expected to accelerate the growth of the market for nanocellulose in near future. As paper produced with nanocellulose has stronger properties like better printing quality, lower transparency, and reduced porosity, these enhanced qualities and lower production cost are leading to a surge in the demand for nanocellulose from the paper and pulp industry.

Key Players in the Global Nanocellulose Market

The report gives a detailed analysis of the following key players in the global nanocellulose market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

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- CelluForce Inc.
- Nippon Paper Industries Co., Ltd.
- Kruger Inc.
- Sappi Europe SA
- UPM-Kymmene Corporation
- Melodea Ltd.
- CelluComp Ltd
- Weidmann Holding AG
- Nature Costech Co., Ltd.
- FiberLean Technologies Ltd.
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth

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- 3.3 Inflation Trends
- 3.4 Democracy Index
- 3.5 Gross Public Debt Ratios
- 3.6 Balance of Payment (BoP) Position
- 3.7 Population Outlook
- 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 Global Nanocellulose Market Analysis
 - 5.1 Key Industry Highlights
 - 5.2 Global Nanocellulose Historical Market (2018-2024)
 - 5.3 Global Nanocellulose Market Forecast (2025-2034)
 - 5.4 Global Nanocellulose Market by Product Type
 - 5.4.1 Nanocrystalline Cellulose (NCC)
 - 5.4.1.1 Historical Trend (2018-2024)
 - 5.4.1.2 Forecast Trend (2025-2034)
 - 5.4.2 Nanofibrillated Cellulose (NFC)
 - 5.4.2.1 Historical Trend (2018-2024)
 - 5.4.2.2 Forecast Trend (2025-2034)
 - 5.4.3 Bacterial Cellulose (BC)
 - 5.4.3.1 Historical Trend (2018-2024)
 - 5.4.3.2 Forecast Trend (2025-2034)
 - 5.4.4 Others
 - 5.5 Global Nanocellulose Market by Application
 - 5.5.1 Composites and Packaging
 - 5.5.1.1 Historical Trend (2018-2024)
 - 5.5.1.2 Forecast Trend (2025-2034)
 - 5.5.2 Pulp and Paper
 - 5.5.2.1 Historical Trend (2018-2024)
 - 5.5.2.2 Forecast Trend (2025-2034)
 - 5.5.3 Food and Beverages
 - 5.5.3.1 Historical Trend (2018-2024)
 - 5.5.3.2 Forecast Trend (2025-2034)
 - 5.5.4 Paints and Coatings
 - 5.5.4.1 Historical Trend (2018-2024)
 - 5.5.4.2 Forecast Trend (2025-2034)
 - 5.5.5 Biomedical and Pharmaceuticals
 - 5.5.5.1 Historical Trend (2018-2024)
 - 5.5.5.2 Forecast Trend (2025-2034)
 - 5.5.6 Oil and Gas
 - 5.5.6.1 Historical Trend (2018-2024)
 - 5.5.6.2 Forecast Trend (2025-2034)
 - 5.5.7 Others
 - 5.6 Global Nanocellulose Market by Region
 - 5.6.1 North America
 - 5.6.1.1 Historical Trend (2018-2024)

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- 5.6.1.2 Forecast Trend (2025-2034)
- 5.6.2 Europe
 - 5.6.2.1 Historical Trend (2018-2024)
 - 5.6.2.2 Forecast Trend (2025-2034)
- 5.6.3 Asia Pacific
 - 5.6.3.1 Historical Trend (2018-2024)
 - 5.6.3.2 Forecast Trend (2025-2034)
- 5.6.4 Latin America
 - 5.6.4.1 Historical Trend (2018-2024)
 - 5.6.4.2 Forecast Trend (2025-2034)
- 5.6.5 Middle East and Africa
 - 5.6.5.1 Historical Trend (2018-2024)
 - 5.6.5.2 Forecast Trend (2025-2034)
- 6 North America Nanocellulose Market Analysis
 - 6.1 United States of America
 - 6.1.1 Historical Trend (2018-2024)
 - 6.1.2 Forecast Trend (2025-2034)
 - 6.2 Canada
 - 6.2.1 Historical Trend (2018-2024)
 - 6.2.2 Forecast Trend (2025-2034)
- 7 Europe Nanocellulose Market Analysis
 - 7.1 United Kingdom
 - 7.1.1 Historical Trend (2018-2024)
 - 7.1.2 Forecast Trend (2025-2034)
 - 7.2 Germany
 - 7.2.1 Historical Trend (2018-2024)
 - 7.2.2 Forecast Trend (2025-2034)
 - 7.3 France
 - 7.3.1 Historical Trend (2018-2024)
 - 7.3.2 Forecast Trend (2025-2034)
 - 7.4 Italy
 - 7.4.1 Historical Trend (2018-2024)
 - 7.4.2 Forecast Trend (2025-2034)
 - 7.5 Others
- 8 Asia Pacific Nanocellulose Market Analysis
 - 8.1 China
 - 8.1.1 Historical Trend (2018-2024)
 - 8.1.2 Forecast Trend (2025-2034)
 - 8.2 Japan
 - 8.2.1 Historical Trend (2018-2024)
 - 8.2.2 Forecast Trend (2025-2034)
 - 8.3 India
 - 8.3.1 Historical Trend (2018-2024)
 - 8.3.2 Forecast Trend (2025-2034)
 - 8.4 ASEAN
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)

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- 8.5 Australia
 - 8.5.1 Historical Trend (2018-2024)
 - 8.5.2 Forecast Trend (2025-2034)
- 8.6 Others
- 9 Latin America Nanocellulose Market Analysis
 - 9.1 Brazil
 - 9.1.1 Historical Trend (2018-2024)
 - 9.1.2 Forecast Trend (2025-2034)
 - 9.2 Argentina
 - 9.2.1 Historical Trend (2018-2024)
 - 9.2.2 Forecast Trend (2025-2034)
 - 9.3 Mexico
 - 9.3.1 Historical Trend (2018-2024)
 - 9.3.2 Forecast Trend (2025-2034)
 - 9.4 Others
- 10 Middle East and Africa Nanocellulose Market Analysis
 - 10.1 Saudi Arabia
 - 10.1.1 Historical Trend (2018-2024)
 - 10.1.2 Forecast Trend (2025-2034)
 - 10.2 United Arab Emirates
 - 10.2.1 Historical Trend (2018-2024)
 - 10.2.2 Forecast Trend (2025-2034)
 - 10.3 Nigeria
 - 10.3.1 Historical Trend (2018-2024)
 - 10.3.2 Forecast Trend (2025-2034)
 - 10.4 South Africa
 - 10.4.1 Historical Trend (2018-2024)
 - 10.4.2 Forecast Trend (2025-2034)
 - 10.5 Others
- 11 Market Dynamics
 - 11.1 SWOT Analysis
 - 11.1.1 Strengths
 - 11.1.2 Weaknesses
 - 11.1.3 Opportunities
 - 11.1.4 Threats
 - 11.2 Porter's Five Forces Analysis
 - 11.2.1 Supplier's Power
 - 11.2.2 Buyer's Power
 - 11.2.3 Threat of New Entrants
 - 11.2.4 Degree of Rivalry
 - 11.2.5 Threat of Substitutes
 - 11.3 Key Indicators for Demand
 - 11.4 Key Indicators for Price
- 12 Value Chain Analysis
- 13 Price Analysis
 - 13.1 North America Historical Price Trends (2018-2024) and Forecast (2025-2034)
 - 13.2 Europe Historical Price Trends (2018-2024) and Forecast (2025-2034)

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- 13.3 Asia Pacific Historical Price Trends (2018-2024) and Forecast (2025-2034)
- 13.4 Latin America Historical Price Trends (2018-2024) and Forecast (2025-2034)
- 13.5 Middle East and Africa Historical Price Trends (2018-2024) and Forecast (2025-2034)
- 14 Competitive Landscape
 - 14.1 Supplier Selection
 - 14.2 Key Global Players
 - 14.3 Key Regional Players
 - 14.4 Key Player Strategies
 - 14.5 Company Profiles
 - 14.5.1 CelluForce Inc.
 - 14.5.1.1 Company Overview
 - 14.5.1.2 Product Portfolio
 - 14.5.1.3 Demographic Reach and Achievements
 - 14.5.1.4 Certifications
 - 14.5.2 Nippon Paper Industries Co., Ltd.
 - 14.5.2.1 Company Overview
 - 14.5.2.2 Product Portfolio
 - 14.5.2.3 Demographic Reach and Achievements
 - 14.5.2.4 Certifications
 - 14.5.3 Kruger Inc.
 - 14.5.3.1 Company Overview
 - 14.5.3.2 Product Portfolio
 - 14.5.3.3 Demographic Reach and Achievements
 - 14.5.3.4 Certifications
 - 14.5.4 Sappi Europe SA
 - 14.5.4.1 Company Overview
 - 14.5.4.2 Product Portfolio
 - 14.5.4.3 Demographic Reach and Achievements
 - 14.5.4.4 Certifications
 - 14.5.5 UPM-Kymmene Corporation
 - 14.5.5.1 Company Overview
 - 14.5.5.2 Product Portfolio
 - 14.5.5.3 Demographic Reach and Achievements
 - 14.5.5.4 Certifications
 - 14.5.6 Melodea Ltd.
 - 14.5.6.1 Company Overview
 - 14.5.6.2 Product Portfolio
 - 14.5.6.3 Demographic Reach and Achievements
 - 14.5.6.4 Certifications
 - 14.5.7 CelluComp Ltd
 - 14.5.7.1 Company Overview
 - 14.5.7.2 Product Portfolio
 - 14.5.7.3 Demographic Reach and Achievements
 - 14.5.7.4 Certifications
 - 14.5.8 Weidmann Holding AG
 - 14.5.8.1 Company Overview
 - 14.5.8.2 Product Portfolio

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- 14.5.8.3 Demographic Reach and Achievements
- 14.5.8.4 Certifications
- 14.5.9 Nature Costech Co., Ltd.
 - 14.5.9.1 Company Overview
 - 14.5.9.2 Product Portfolio
 - 14.5.9.3 Demographic Reach and Achievements
 - 14.5.9.4 Certifications
- 14.5.10 FiberLean Technologies Ltd.
 - 14.5.10.1 Company Overview
 - 14.5.10.2 Product Portfolio
 - 14.5.10.3 Demographic Reach and Achievements
 - 14.5.10.4 Certifications
- 14.5.11 Others

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