

Global Cellulase Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Cellulase market size was valued at USD 2082.6 million in 2023 and is forecast to a readjusted size of USD 3137.5 million by 2030 with a CAGR of 6.0% during review period.

Cellulase (CAS 9012-54-8) is a linear polysaccharide of glucose residues connected by β -1,4 linkages. Like chitin it is not cross-linked. Native crystalline cellulose is insoluble and occurs as fibers of densely packed, hydrogen bonded, anhydroglucose chains of 15 to 10,000 glucose units. Its density and complexity make it very resistant to hydrolysis without preliminary chemical or mechanical degradation or swelling. In nature cellulose is usually associated with other polysaccharides such as xylan or lignin. It is the skeletal basis of plant cell walls. Cellulose is the most abundant organic source of food, fuel and chemicals. However, its usefulness is dependent upon its hydrolysis to glucose. Acid and high temperature degradation are unsatisfactory in that the resulting sugars are decomposed; enzymatic degradation (cellulase) is the most effective means of degrading cellulose into useful components. Although cellulases are distributed throughout the biosphere, they are most prevalent in fungal and microbial sources.

Global Cellulase (CAS 9012-54-8) key players include Novozymes, Genencor (DuPont), DSM, AB Enzymes, Amano Enzyme, etc. Global top five manufacturers hold a share about 50%. Europe is the largest market, with a share about 30%, followed by Asia-Pacific and North America, both with a share over 25 percent. In terms of product, EG is the largest segment, with a share about 40%. And in terms of application, the largest application is Animal Feed, followed by Food & Beverage, Textile, Biofuels.

The Global Info Research report includes an overview of the development of the Cellulase industry chain, the market status of Animal Feed (EG, CBH), Textile (EG,

CBH), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Cellulase.

Regionally, the report analyzes the Cellulase markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Cellulase market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Cellulase market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Cellulase industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., EG, CBH).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Cellulase market.

Regional Analysis: The report involves examining the Cellulase market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Cellulase market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Cellulase:

Company Analysis: Report covers individual Cellulase manufacturers, suppliers, and

other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Cellulose. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Animal Feed, Textile).

Technology Analysis: Report covers specific technologies relevant to Cellulose. It assesses the current state, advancements, and potential future developments in Cellulose areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Cellulose market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Cellulose market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

EG

CBH

BG

Market segment by Application

Animal Feed

Textile

Food & Beverage

Biofuels

Others

Major players covered

Novozymes

Genencor (DuPont)

DSM

AB Enzymes

Amano Enzyme

BIO-CAT

Shandong Longda Bio-Products Co., Ltd

Zhongrong Technology Corporation Ltd.

ENMEX

Sunson Industry Group

Mitsubishi-Chemical Foods

Sinobios

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Cellulase product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cellulase, with price, sales, revenue and global market share of Cellulase from 2019 to 2024.

Chapter 3, the Cellulase competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Cellulase breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Cellulase market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Cellulase.

Chapter 14 and 15, to describe Cellulase sales channel, distributors, customers, research findings and conclusion.

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