

Global Pullulanase 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 Pullulanase market size was valued at USD 186.2 million in 2023 and is forecast to a readjusted size of USD 172.9 million by 2030 with a CAGR of -1.1% during review period.

Pullulanase is an endo-type enzyme that cleaves α -1,6-glucosidic linkages in polysaccharides, such as amylopectin, glycogen, dextrin and pullulan. It requires the branching chain to be of at least a maltose length in order for it to be able to cleave the α -1,6 linkage. Pullulanase is found in plants and microorganisms. Pullulanases from microorganisms, such as bacillus brevis, bacillus acidopullulyticus and Klebsiella sp., are commercially available as an industrial enzyme preparation. Pullulanase is also referred to as “debranching enzyme”, because it hydrolyzes the branching α -1,6-glucosidic linkages in polysaccharides, such as amylopectin. This debranching activity of pullulanase is combined with the activities of other enzymes, such as α -amylase and isoamylase, for the production of maltose and oligosaccharides.

Global Pullulanase key players include Novozymes, Genencor, Amano Enzyme, Longda, etc. Global top four manufacturers hold a share over 70%.

Europe is the largest market, with a share about 45%, followed by USA, and Japan, both have a share over 45 percent.

In terms of product, Debranching Enzyme is the largest segment, with a share over 65%. And in terms of application, the largest application is High Glucose Syrup, followed by High Maltose Syrup, Brewage, etc.

The Global Info Research report includes an overview of the development of the

Pullulanase industry chain, the market status of High Glucose Syrup (Debranching Enzyme, Amylopullulanse), High Maltose Syrup (Debranching Enzyme, Amylopullulanse), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Pullulanase.

Regionally, the report analyzes the Pullulanase 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 Pullulanase market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Pullulanase 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 Pullulanase 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 (MT), revenue generated, and market share of different by Type (e.g., Debranching Enzyme, Amylopullulanse).

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 Pullulanase market.

Regional Analysis: The report involves examining the Pullulanase 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 Pullulanase market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Pullulanase:

Company Analysis: Report covers individual Pullulanase 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 Pullulanase. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (High Glucose Syrup, High Maltose Syrup).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Pullulanase 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

Pullulanase 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

Debranching Enzyme

Amylopullulanse

Market segment by Application

High Glucose Syrup

High Maltose Syrup

Brewage

Others

Major players covered

Novozymes

Genencor

Amano Enzyme

Longda

Bioclone

High Sun

Sunson

Bestzyme

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 Pullulanase product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Pullulanase 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 Pullulanase 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 Pullulanase.

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

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