

Industrial Enzymes - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Industrial Enzymes Market is expected to register a CAGR of greater than 6% during the forecast period.

The industrial enzymes market's growth is hampered by the COVID-19 pandemic, as lockdowns and the shutdown of raw material supply chains and enzyme production plants globally have impacted several end-user industries. The biofuel industry has been strongly impacted by the COVID19 pandemic. In 2022, global transport biofuel production has improved significantly, creating a positive impact on the industrial enzymes market.

Key Highlights

- Over the medium term, the major factors driving the growth of the industrial enzymes market are the growing diversity in enzyme applications such as food and beverage, pharmaceuticals, detergents, cosmetics, and other industries. Also, the growing demand for enzymes due to increasing environmental norms and regulations regarding the use of chemicals is likely to boost the market growth of industrial enzymes.
- On the flip side, factors such as restricted temperature and pH level of enzymes, regulatory constraints for various markets and competition for raw materials are expected to hinder the market growth.
- New product innovations and expansions of application bases are anticipated to provide numerous opportunities over the forecast period.
- North America dominated the market and Asia-Pacific is likely to register the highest CAGR through the forecast period.

Industrial Enzymes Market Trends

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Growing Demand from Food and Beverage Applications

- The food and beverage segment dominates the industrial enzymes market. This is the fastest-growing application segment, mainly supported by the ever-growing global population and its increasing purchasing power. Health awareness is also a factor in people's increasing demand for food quality, safer production processing, and improved nutritional value.
- The increasing demand for high-quality foods in terms of natural flavor and taste has become a common trend among present consumers. This trend triggered the need for the development of flavored and tasty processed foods using industrial enzyme applications. These enzymes act as catalysts by playing important roles in the breaking down of vitamins and nutrients in the metabolic reactions and inter-conversion of complex molecules to smaller molecules.
- Food enzymes, such as amylase, cellulase, xylanase, pectinase, protease, lipase, glucosyltransferase, arabinanase, polygalacturonanase, chymosin, and beta-glucanase, among others, have become an essential part of the global food additives industry.
- The food industry is continuously involved in developing new dairy products, beverages, and food items for consumers. With the development of new products in the food and beverage industry, the application of enzymes in the industry has continuously increased.
- As per data published by StatCan in Canada, the retail sales of food and beverages was USD 114.60 billion in 2021.
- According to a report published by US Census Bureau, the sale of retail food and beverage in United States increased significantly from USD 850.2 billion in 2020 to USD 880.3 billion in 2021.
- With the increased innovation and development of technologies in the food industry, industrial enzymes have found extensive applications in fat modification and sweetener technology, thereby driving the industrial enzymes market.
- All the aforementioned factors are expected to increase the market demand for industrial enzymes during the forecast period.

North America to Dominate the Market

- North America has the highest share, accounting for more than 30% of the global market. North America dominated the industrial enzymes market.
- The United States occupies the top position in the global industrial enzymes market. The country has the largest revenue share globally, owing largely to beverage and biofuel production. The increasing demand for craft beer is likely responsible for the industrial enzyme market's growth.
- The United States is the second largest automotive manufacturing country globally, falling only behind China. According to OICA, automotive production in 2021 accounted for 9,167,214 units. The National Automobile Dealers Association (NADA) predicts that the United States new light-vehicle sales are likely to increase by 3.4% to 15.5 million units in 2022. The production of automobiles is anticipated to ascend in the upcoming future owing to the rising popularity and affordability of the vehicles. This will lead to the growth of leather processing which is required for upholstery in automobiles.
- As per the report published by the Observatory of Economic Complexity (OEC), the leather exports of United States Leather Footwear have increased by USD 8.09 million from USD 28.5 million to USD 36.5 million from October 2021 to October 2022.
- The industrial enzymes market is witnessing rapid growth in Mexico due to the increasing demand for processed food and increased applications of enzymes in the processed food industry, which are driving the demand for industrial enzymes in Mexico.
- Further, the food & beverage industry in Mexico is likely to upscale with growing investments by multinational food & beverage producers. The food processing industry has recently attracted investment worth USD 700 million from Nestle to modernize its 16 factories in the country and construct a new one in Veracruz.
- In Canada, the demand for baked goods has moved from the traditional bread consumption trend to the increasing consumption of bakery goods, such as pancakes, cupcakes, croissants, and rolls. This, in turn, is likely to drive the demand for industrial enzymes used in the food and beverage industry.

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- The high consumption in the U.S. industries is correlated with awareness regarding green technologies addressing environmental issues, enhanced productivity, and better product value, thus, leading to growth in the research and development sector and industries using enzymes.

Industrial Enzymes Industry Overview

The industrial enzymes market is consolidated in nature and is dominated by the top five players, namely, Novozymes, DuPont, Royal DSM, AB Enzymes, and BASF.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Drivers
 - 4.1.1 Surge in Demand for Biofuels in the Americas
 - 4.1.2 Growing Diversity in Enzyme Applications and Niche Products
 - 4.1.3 Stringent Environmental Norms Curbing the Usage of Chemicals
- 4.2 Restraints
 - 4.2.1 Restricted Temperature and pH Levels of Enzymes
- 4.3 Industry Value Chain Analysis
- 4.4 Porter's Five Forces Analysis
 - 4.4.1 Bargaining Power of Suppliers
 - 4.4.2 Bargaining Power of Consumers
 - 4.4.3 Threat of New Entrants
 - 4.4.4 Threat of Substitute Products and Services
 - 4.4.5 Degree of Competition

5 MARKET SEGMENTATION (Market Size in Value)

- 5.1 Type
 - 5.1.1 Carbohydrases
 - 5.1.1.1 Amylases
 - 5.1.1.2 Cellulases
 - 5.1.2 Proteases
 - 5.1.2.1 Trypsins (API and Non-API)
 - 5.1.2.2 Other Proteases

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- 5.1.3 Lipases
- 5.1.4 Other Types
- 5.2 Application
 - 5.2.1 Food Processing
 - 5.2.2 Animal Feed
 - 5.2.3 Healthcare
 - 5.2.4 Textiles
 - 5.2.5 Leather Processing
 - 5.2.6 Detergents and Cleaners
 - 5.2.7 Bio Fuel
 - 5.2.8 Cosmetics
 - 5.2.9 Other Applications
- 5.3 Geography
 - 5.3.1 Asia-Pacific
 - 5.3.1.1 China
 - 5.3.1.2 India
 - 5.3.1.3 Japan
 - 5.3.1.4 South Korea
 - 5.3.1.5 Australia and New Zealand
 - 5.3.1.6 Rest of Asia-Pacific
 - 5.3.2 North America
 - 5.3.2.1 United States
 - 5.3.2.2 Canada
 - 5.3.2.3 Mexico
 - 5.3.3 Europe
 - 5.3.3.1 Germany
 - 5.3.3.2 United Kingdom
 - 5.3.3.3 France
 - 5.3.3.4 Italy
 - 5.3.3.5 Spain
 - 5.3.3.6 Russia
 - 5.3.3.7 Rest of Europe
 - 5.3.4 South America
 - 5.3.4.1 Brazil
 - 5.3.4.2 Argentina
 - 5.3.4.3 Rest of South America
 - 5.3.5 Middle-East and Africa
 - 5.3.5.1 South Africa
 - 5.3.5.2 United Arab Emirates
 - 5.3.5.3 Rest of Middle-East and Africa

6 COMPETITIVE LANDSCAPE

- 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements
- 6.2 Market Share (%) Analysis** / Ranking Analysis
- 6.3 Strategies Adopted by Leading Players
- 6.4 Company Profiles
 - 6.4.1 AB Enzymes

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- 6.4.2 Advanced Enzyme Technologies
- 6.4.3 Amano Enzyme Inc.
- 6.4.4 BASF SE
- 6.4.5 Biocatalysts
- 6.4.6 BioResource International Inc.
- 6.4.7 Chr. Hansen Holding AS
- 6.4.8 DuPont
- 6.4.9 DSM
- 6.4.10 Enzyme Development Corporation
- 6.4.11 Lesaffre
- 6.4.12 Novozymes

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

- 7.1 New Product Innovation and Expansion of Application Base
- 7.2 Increasing Demand from Industries in Emerging Economies

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