

Global Markets for Enzymes in Industrial Applications

Market Research Report | 2025-03-18 | 145 pages | BCC Research

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Report description:

Description

Report Scope

This report highlights industrial enzymes' current and future market potential across different industries. It provides a detailed analysis of the drivers, restraints, opportunities, and regulatory scenarios in the market. This report also covers market projections through 2029 and presents a competitive environment and product analysis.

The report provides market estimates and forecasts based on application, source, and region. By application, the market is segmented into food, technical, animal feed, biofuel enzymes, and other enzymes. Based on source, the report provides analysis of microbial, plant, and animal-derived enzymes.

By geographical region, the market has been segregated into North America, Europe, Asia-Pacific, and the Rest of the World (RoW). The North American region includes the U.S., Canada, and Mexico. Europe includes Germany, the U.K., Italy, France, Spain, and the Rest of Europe. Asia-Pacific includes China, Japan, India, South Korea, Australia, and the Rest of Asia-Pacific. For market estimates, data have been provided for 2021 and 2022 as the historic years, and 2023 as the base year, with forecasts for 2029.

Report Includes

- 87 data tables and 65 additional tables
- An updated review of the global markets for enzymes in industrial applications within the biotech industry
- Analyses of the global market trends, with sales data for 2021- 2023, estimates for 2024, and projections of compound annual growth rates (CAGRs) through 2029
- Evaluation of the potential market size and revenue sales forecast of global enzyme applications market, and corresponding market share analysis by type of enzyme, application, source, and region
- A comprehensive analysis of the enzymes industry and its sub-segments in the global market, thereby providing a detailed structure of the industry
- Discussion of the key market dynamics, new technology advancements, regulatory aspects, and increasing R&D activities in the global market for industrial enzymes

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- A discussion on ESG challenges and practices of the industry
- Market share analysis of the key companies of the industry and coverage of their proprietary technologies, strategic alliances, and other key market strategies
- Company profiles of major players within the industry, including Novozymes A/S, DSM-Firmenich, International Flavors & Fragrances Inc., BASF, and Kerry Group PLC.

Executive Summary

Summary:

The global market for enzymes in industrial applications is estimated to increase from \$7.9 billion in 2024 to reach \$10.8 billion by 2029, at a compound annual growth rate (CAGR) of 6.5% from 2024 through 2029.

In 2023, the global market for enzymes in industrial applications was valued at \$7.4 billion. The market is predicted to grow at a compound annual growth rate (CAGR) of 6.5% to reach \$10.8 billion by the end of 2029.

Market growth drivers include increasing demand in the food processing industry and expanding application areas of industrial enzymes. Stringent regulations and complex enzyme manufacturing procedures are expected to challenge market growth.

This report segments the global market for enzymes for industrial applications by type, application, source and region. Based on enzyme type, the carbohydrase segment accounted for the largest share in 2023. It is expected to grow at a CAGR of 5.8% during the forecast period.

By application, the food and beverage segment is predicted to grow at a CAGR of 5.5% during the forecast period. This segment, which accounted for 40.9% of the application market in 2023, is expected to reach \$4.2 billion by the end of 2029.

By source, microorganisms accounted for 81.7% of the market in 2023. This segment is expected to grow at a CAGR of 6.6% during the forecast period, reaching a value of \$8.8 billion by the end of 2029.

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ADVANCED ENZYME TECHNOLOGIES
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AMANO ENZYME INC.
AUMGENE BIOSCIENCES
BASF
BIOCATALYSTS
CARGILL INC.
CREATIVE ENZYMES
DSM-FIRMENICH
ENZYME DEVELOPMENT CORP.
INTERNATIONAL FLAVORS & FRAGRANCES INC.
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