

Global Feed Carbohydrases Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Feed Carbohydrases market size is expected to reach \$ 6213 million by 2032, rising at a market growth of 7.1% CAGR during the forecast period (2026-2032).

Global sales of feed carbohydrases reached 829,000 tons in 2025, with an average price of US\$4,593 per ton.

Feed carbohydrases are a class of enzyme preparations specifically designed to degrade carbohydrates in animal feed. Through catalytic hydrolysis, they break down complex carbohydrates (such as starch, cellulose, and hemicellulose) into absorbable monosaccharides or oligosaccharides, thereby improving feed digestibility, enhancing nutrient absorption, reducing anti-nutritional factors, and minimizing environmental pollution from animal excrement. This enzyme family mainly includes amylase, xylanase, β -glucanase, and cellulase, and is a key feed additive in modern precision animal husbandry and antibiotic alternatives.

Raw material costs account for approximately 30%-40% of the total production cost of feed carbohydrases. Core raw materials include production strains (*Bacillus subtilis*, *Aspergillus niger*, *Trichoderma reesei*, etc.) and fermentation media (carbon sources such as corn starch/molasses, nitrogen sources such as soybean flour/yeast extract, inorganic salts, and trace elements). Of the raw materials, carbon and nitrogen sources, as major raw materials, account for 60%-70% of the cost. Using agricultural byproducts such as corn soaking solution and wheat bran can significantly reduce costs. For genetically engineered strains, molecular biology reagents such as plasmid construction and screening markers are also required. Deep liquid fermentation (the largest component) or solid-state fermentation processes determine energy costs (approximately 15%-20%), while downstream purification and processing steps such as

ultrafiltration concentration, spray drying/freeze drying, and formulation coating account for 25%-35% of the cost. In addition, enzyme activity detection (DNS method, viscosity method, etc.), stability testing, and quality control systems also constitute significant cost items. It is worth noting that while thermal stability modification and coating technologies increase production costs by 20%-50%, they can significantly improve the product's activity retention rate during high-temperature pelleting of feed (from 85%), thereby creating higher added value.

This report studies the global Feed Carbohydrases production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Feed Carbohydrases and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Feed Carbohydrases that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Feed Carbohydrases total production and demand, 2021-2032, (Kilotons)

Global Feed Carbohydrases total production value, 2021-2032, (USD Million)

Global Feed Carbohydrases production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Feed Carbohydrases consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Feed Carbohydrases domestic production, consumption, key domestic manufacturers and share

Global Feed Carbohydrases production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Feed Carbohydrases production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Feed Carbohydrases production by Application, production, value, CAGR,

2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Feed Carbohydrases market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Novozymes, IFF, AB Enzymes, DSM, Aum Enzymes, BASF, Novonesis, Kemin, Yiduoli, Sunhy Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Feed Carbohydrases market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (USD/MT) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Feed Carbohydrases Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Feed Carbohydrases Market, Segmentation by Type:

Solid Powder

Liquid Enzyme Preparations

Microencapsulation

Global Feed Carbohydrases Market, Segmentation by Source:

Microbial Fermentation

Genetically Modified Strains

Transgenic Plant Expression

Global Feed Carbohydrases Market, Segmentation by Functional Targeting:

Energy-Enhancing

Anti-Nutritional Factor Removal

Gut Health

Antibiotic Alternative Growth Promoter

Global Feed Carbohydrases Market, Segmentation by Application:

Poultry

Swine

Ruminant

Aquaculture

Others

Companies Profiled:

Novozymes

IFF

AB Enzymes

DSM

Aum Enzymes

BASF

Novonosis

Kemin

Yiduoli

Sunhy Group

Key Questions Answered:

1. How big is the global Feed Carbohydrases market?
2. What is the demand of the global Feed Carbohydrases market?
3. What is the year over year growth of the global Feed Carbohydrases market?
4. What is the production and production value of the global Feed Carbohydrases market?
5. Who are the key producers in the global Feed Carbohydrases market?
6. What are the growth factors driving the market demand?

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