

Global Fungal Hemicellulase Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Fungal Hemicellulase market size is expected to reach \$ 4741 million by 2032, rising at a market growth of 5.4% CAGR during the forecast period (2026-2032).

Fungal hemicellulase is a biocatalyst developed to efficiently and cost-effectively decompose complex hemicellulose components in natural plant materials, releasing encapsulated nutrients or separating fibers. Demand stems from the urgent needs of the food, feed, and biofuel industries to improve raw material utilization, enhance process efficiency, and achieve green production. The upstream supply chain primarily includes the breeding of enzyme-producing fungal strains (such as *Aspergillus* and *Trichoderma*) and the supply of fermentation raw materials. Downstream applications are widespread in the feed industry (improving digestibility), food processing (bread improvement, juice clarification), paper bleaching, and biomass saccharification, forming a complete industrial chain from 'strain development > industrial fermentation > multi-field applications.' Its core value lies in achieving efficient biomass conversion under mild conditions through the broad-spectrum synergistic effect of fungal enzyme systems. In 2025, the production of fungal hemicellulase is estimated at approximately 80,000 tons, with an average price of approximately US\$40/kg, a gross profit margin of approximately 40%, and a single-line capacity of 1,000 tons/year.

This report studies the global Fungal Hemicellulase production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fungal Hemicellulase 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 Fungal Hemicellulase that

contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Fungal Hemicellulase total production and demand, 2021-2032, (Kilotons)

Global Fungal Hemicellulase total production value, 2021-2032, (USD Million)

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

Global Fungal Hemicellulase consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Fungal Hemicellulase domestic production, consumption, key domestic manufacturers and share

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

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

Global Fungal Hemicellulase production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Fungal Hemicellulase 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 Novonesis (CPH: NZYM B, Bagsv?rd Denmark), AB Enzymes GmbH (Unlisted, Darmstadt Germany), Merck KGaA (XTRA: MRK, Darmstadt, Germany), Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India), Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China), Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China), Enzyme Development Corporation (Unlisted, New York USA), Creative Enzymes (Unlisted, New York USA), Enzyme Innovation (Unlisted, Chino California USA), MSA-Ingredients (Unlisted, Giza Egypt), 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 Fungal Hemicellulase market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Kg) 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 Fungal Hemicellulase Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Fungal Hemicellulase Market, Segmentation by Type:

Xylanase

Mannanase

Arabinofuranosidase

Xylosidase

Global Fungal Hemicellulase Market, Segmentation by Enzyme-producing Fungi:

Aspergillus Hemicellulase

Trichoderma Hemicellulase

Penicillium Hemicellulase

Global Fungal Hemicellulase Market, Segmentation by Application:

Feed

Food

Papermaking

Biofuel

Other

Companies Profiled:

Novonesis (CPH: NZYM B, Bagsv?rd Denmark)

AB Enzymes GmbH (Unlisted, Darmstadt Germany)

Merck KGaA (XTRA: MRK, Darmstadt, Germany)

Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India)

Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China)

Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China)

Enzyme Development Corporation (Unlisted, New York USA)

Creative Enzymes (Unlisted, New York USA)

Enzyme Innovation (Unlisted, Chino California USA)

MSA-Ingredients (Unlisted, Giza Egypt)

Aspek Kimya (Unlisted, Istanbul Turkiye)

Shandong Lonct Enzymes Co., Ltd. (Unlisted, Shandong China)

Beijing Solarbio Science & Technology Co., Ltd. (Unlisted, Beijing China)

Sunsonzyme (Unlisted, Beijing China)

Biolaxi Corporation (Unlisted, Maharashtra India)

Key Questions Answered:

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

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