

Global Gluten Strengthening Enzymes Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Gluten Strengthening Enzymes market size is expected to reach \$ 146 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Gluten strengthening enzymes are a class of food enzymes that specifically act on gluten proteins (glutenin and gliadin) in wheat flour, strengthening their three-dimensional network structure through catalytic oxidation or cross-linking reactions. Their core function is to improve the elasticity, toughness, mechanical processing tolerance, and gas-holding capacity of dough, thereby significantly improving the volume, texture, and stability of the final flour products. Demand primarily stems from the global baking and flour product industry's continuous pursuit of product quality, processing efficiency, and clean labeling. The core driving force is to replace traditional chemical modifiers (such as potassium bromate) to strengthen the gluten network in a more natural and safer way, meeting both consumer demands for healthy foods and regulatory restrictions on additives. Upstream is the technology and raw material supply side, including enzyme manufacturers, biotechnology companies providing strains and fermentation technologies, and suppliers of related equipment and standards. Downstream is the demand application side, mainly including large flour processing enterprises, baking food factories, pre-made dough manufacturers, and compound food additive companies. In 2025, the production of gluten strengthening enzymes is estimated at approximately 8,500 tons, with an average price of approximately US\$12/kg, a gross profit margin of approximately 50%, and a single-line capacity of 100 tons/year.

This report studies the global Gluten Strengthening Enzymes production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gluten Strengthening Enzymes 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 Gluten Strengthening Enzymes that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Gluten Strengthening Enzymes total production and demand, 2021-2032, (Tons)

Global Gluten Strengthening Enzymes total production value, 2021-2032, (USD Million)

Global Gluten Strengthening Enzymes production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Gluten Strengthening Enzymes consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Gluten Strengthening Enzymes domestic production, consumption, key domestic manufacturers and share

Global Gluten Strengthening Enzymes production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Gluten Strengthening Enzymes production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Gluten Strengthening Enzymes production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Gluten Strengthening Enzymes 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 (Listed, Bagsv?rd Denmark), IFF (Listed, New York USA), Associated British Foods (Listed, London UK), Amano Enzyme Inc. (Listed, Nagoya Japan), Solyve (Unlisted, Normandy France), Biocatalysts Ltd. (Unlisted, Pontypridd UK), Advanced Enzyme Technologies Ltd. (Listed, Thane India), Puratos Group (Unlisted, Groot-Bijgaarden Belgium), Lesaffre Group (Unlisted, Marcq-en-Bar?ul France), Lallemand Inc. (Private, Montreal Canada), 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 Gluten Strengthening Enzymes market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) 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 Gluten Strengthening Enzymes Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Gluten Strengthening Enzymes Market, Segmentation by Type:

Oxidases

Cross-linking Enzymes

Lipoxygenases

Global Gluten Strengthening Enzymes Market, Segmentation by Final Function:

Dough Strengtheners

Network Stabilizers

Global Gluten Strengthening Enzymes Market, Segmentation by Application:

Flour Processing Plant

Baking Food Factory

Prepared Food Factory

Other

Companies Profiled:

Novonesis (Listed, Bagsv?rd Denmark)

IFF (Listed, New York USA)

Associated British Foods (Listed, London UK)

Amano Enzyme Inc. (Listed, Nagoya Japan)

Solyve (Unlisted, Normandy France)

Biocatalysts Ltd. (Unlisted, Pontypridd UK)

Advanced Enzyme Technologies Ltd. (Listed, Thane India)

Puratos Group (Unlisted, Groot-Bijgaarden Belgium)

Lesaffre Group (Unlisted, Marcq-en-Bar?ul France)

Lallemand Inc. (Private, Montreal Canada)

Hunan Hongying Biological Technology Co., Ltd. (Unlisted, Hunan China)

Shandong Longkete Enzyme Preparation Co., Ltd. (Unlisted, Shandong China)

Sunson Industry Group Co., Ltd. (Unlisted, Xi'an China)

Vland Biotech Group Co., Ltd. (Unlisted, Qingdao China)

Maps Enzymes Ltd. (Unlisted, Noida India)

Key Questions Answered:

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

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