

Global Gluten Strengthening Enzymes Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Gluten Strengthening Enzymes market size was valued at US\$ 105 million in 2025 and is forecast to a readjusted size of US\$ 146 million by 2032 with a CAGR of 4.9% during review period.

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 is a detailed and comprehensive analysis for global Gluten Strengthening

Enzymes market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Gluten Strengthening Enzymes market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Gluten Strengthening Enzymes market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Gluten Strengthening Enzymes market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Gluten Strengthening Enzymes market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Gluten Strengthening Enzymes
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Gluten Strengthening Enzymes market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Gluten Strengthening Enzymes market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Oxidases

Cross-linking Enzymes

Lipoxygenases

Market segment by Final Function

Dough Strengtheners

Network Stabilizers

Market segment by Application

Flour Processing Plant

Baking Food Factory

Prepared Food Factory

Other

Major players covered

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)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East)

& Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Gluten Strengthening Enzymes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gluten Strengthening Enzymes, with price, sales quantity, revenue, and global market share of Gluten Strengthening Enzymes from 2021 to 2026.

Chapter 3, the Gluten Strengthening Enzymes competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Gluten Strengthening Enzymes breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Gluten Strengthening Enzymes market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Gluten Strengthening Enzymes.

Chapter 14 and 15, to describe Gluten Strengthening Enzymes sales channel, distributors, customers, research findings and conclusion.

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