

Global Liquid Protease Enzyme Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Liquid Protease Enzyme market size is expected to reach \$ 452 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Liquid protease enzyme is a liquid enzyme preparation produced through deep fermentation, extraction, and stabilization technologies. Its core function is to catalyze the hydrolysis of proteins. It addresses the problems of uneven dissolution, dust hazards, difficulties in automated feeding, and activity loss inherent in traditional solid or powdered protease applications. It aims to provide a highly efficient protein processing solution that offers precise metering, uniform mixing, easy pipeline transport, and automated control. Demand primarily stems from the food industry (e.g., cheese production, meat tenderizing, brewing clarification, protein hydrolysate preparation), the feed industry (improving animal digestibility), the detergent industry (decomposing protein stains), and the leather and textile industry (hair removal and softening) driven by continuous demands for improved production efficiency, process stability, and operational safety. The upstream supply chain involves strain development (screening and genetic engineering improvement of high-yield protease strains), supply of fermentation raw materials (carbon sources, nitrogen sources, inorganic salts, etc.), and the manufacturing of fermentation and separation purification equipment. Downstream, it covers end-users such as food processing plants, feed companies, detergent manufacturers, tanneries, and biopharmaceutical companies, who directly integrate it into continuous or batch production processes. In 2025, the production of liquid protease enzyme is expected to reach approximately 35,000 tons, with an average price of approximately US\$9,000 per ton, a gross profit margin of approximately 30%, and a single production line capacity of 400 tons per year.

This report studies the global Liquid Protease Enzyme production, demand, key

manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Liquid Protease Enzyme 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 Liquid Protease Enzyme that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Liquid Protease Enzyme total production and demand, 2021-2032, (Tons)

Global Liquid Protease Enzyme total production value, 2021-2032, (USD Million)

Global Liquid Protease Enzyme production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Liquid Protease Enzyme consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Liquid Protease Enzyme domestic production, consumption, key domestic manufacturers and share

Global Liquid Protease Enzyme production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Liquid Protease Enzyme production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Liquid Protease Enzyme production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Liquid Protease Enzyme 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), DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland), AB Enzymes GmbH (Unlisted, Darmstadt Germany), International Flavors & Fragrances Inc. (NYSE: IFF, New York USA), Adisseo (EPA: ADI, Antony France), Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan), Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China), Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China), Amano Enzyme Inc. (TYO: 2802, Nagoya Japan), Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India), 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 Liquid Protease Enzyme market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) 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 Liquid Protease Enzyme Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Liquid Protease Enzyme Market, Segmentation by Type:

Microbial Fermentation Liquid Protease

Animal Tissue Extract Liquid Protease

Plant Extract Liquid Protease

Global Liquid Protease Enzyme Market, Segmentation by Enzymatic Properties:

Acid

Neutral

Alkaline

Global Liquid Protease Enzyme Market, Segmentation by Application:

Food

Feed

Leather

Detergent

Biopharmaceutical

Other

Companies Profiled:

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

DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland)

AB Enzymes GmbH (Unlisted, Darmstadt Germany)

International Flavors & Fragrances Inc. (NYSE: IFF, New York USA)

Adisseo (EPA: ADI, Antony France)

Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan)

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

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

Amano Enzyme Inc. (TYO: 2802, Nagoya Japan)

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

Creative Enzymes (Unlisted, New York USA)

Biocatalysts Ltd. (Unlisted, Wales UK)

SunHY(Unlisted, Hubei China)

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

Shandong Sukahan Bio-Technology Co., Ltd. (Unlisted, Shandong China)

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

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

Sunsonzyme (Unlisted, Beijing China)

Wilton Bioscience (Unlisted, Gujarat India)

Enzyme Bioscience Pvt. Ltd. (Unlisted, Gujarat India)

Key Questions Answered:

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

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