

Global Protease Powder Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GD794077810FEN.html>

Date: February 2026

Pages: 137

Price: US\$ 4,480.00 (Single User License)

ID: GD794077810FEN

Abstracts

The global Protease Powder 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).

Protease powder is a solid enzyme preparation produced through bio-fermentation, extraction, purification, and drying processes. It can efficiently catalyze protein hydrolysis reactions. Demand primarily stems from the urgent need in the feed industry (premix additives to improve animal protein digestibility), the food industry (cheese curdling, meat tenderizing, baking improvement, and protein hydrolysis), the detergent industry (powdered detergent cleaning enzymes), and the leather and textile industry (hair removal and softening agents) for standardized enzyme preparations with high stability, long shelf life, easy storage and transportation, and direct dry mixing capabilities. The upstream supply chain encompasses strain research and improvement (high-yield protease engineered strains), fermentation raw material supply (soybean meal, corn steep liquor, and other agricultural byproducts), and the manufacturing of bioreactors and drying equipment. Downstream, it directly connects with feed processing plants, food production enterprises, detergent manufacturers, leather processors, and biological reagent companies, ultimately integrating the product into various dry formulations or production processes. In 2025, protease powder production is estimated at 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-line capacity of 400 tons per year.

This report studies the global Protease Powder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Protease

Powder 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 Protease Powder that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

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

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

Global Protease Powder consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: Protease Powder domestic production, consumption, key domestic manufacturers and share

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

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

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

This report profiles key players in the global Protease Powder 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), International Flavors & Fragrances Inc. (NYSE: IFF, New York USA), DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland), Amano Enzyme Inc. (TYO: 2802, Aichi Japan), Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China), Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China), AB Enzymes GmbH (Unlisted, Darmstadt Germany), Kerry Group plc (ISE: KRZ, Tralee Ireland), Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India), Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan), 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 Protease Powder 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 Protease Powder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Protease Powder Market, Segmentation by Type:

Microbial Fermentation Protease Powder

Animal Extract Protease Powder

Plant Extract Protease Powder

Global Protease Powder Market, Segmentation by Enzymatic Properties:

Acid

Neutral

Alkaline

Global Protease Powder Market, Segmentation by Application:

Food

Feed

Leather

Detergent

Biopharmaceutical

Other

Companies Profiled:

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

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

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

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

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

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

AB Enzymes GmbH (Unlisted, Darmstadt Germany)

Kerry Group plc (ISE: KRZ, Tralee Ireland)

Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra)

India)

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

Biocatalysts Ltd. (Unlisted, Wales UK)

Creative Enzymes (Unlisted, New York USA)

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)

MondStar International Trading Co. Ltd (Unlisted, Henan China)

Fruzyme Biotech (Unlisted, Tamil Nadu India)

Key Questions Answered:

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

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