

Global Alkaline Protease for Detergent Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Alkaline Protease for Detergent market size is expected to reach \$ 499 million by 2032, rising at a market growth of 4.6% CAGR during the forecast period (2026-2032).

Alkaline protease for detergents is a biological enzyme preparation specifically added to laundry powders or liquid detergents. It efficiently breaks down stubborn protein-based stains such as blood, milk, sweat, and meat juices in alkaline environments (pH approximately 9-11), cleaving large molecules into smaller, soluble peptides or amino acids.

Upstream raw materials primarily include fermentation carbon sources, nitrogen sources, inorganic salts, microbial strains, fermentation aids, and downstream processing additives. Carbon sources may be derived from glucose, starch hydrolysates, or molasses; nitrogen sources from soybean meal hydrolysates, corn steep liquor, yeast powder, or peptone; and inorganic salts serve to support microbial growth and maintain enzyme activity stability. The microbial strains typically consist of alkaline protease-producing organisms, such as those from the *Bacillus* genus. Following fermentation, processes such as filtration and concentration are required, along with the addition of stabilizers, carriers, encapsulation materials, and granulation aids, to ensure the enzyme preparation possesses storage stability, low dust generation, and formulation compatibility.

Global sales volume in 2025 is projected to be approximately 50,000 metric tons, with an average ex-factory price of around US\$7,100 per metric ton; major manufacturers in the industry typically achieve gross profit margins of approximately 30%-40%.

This report studies the global Alkaline Protease for Detergent production, demand, key

manufacturers, and key regions.

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

Highlights and key features of the study

Global Alkaline Protease for Detergent total production and demand, 2021-2032, (Tons)

Global Alkaline Protease for Detergent total production value, 2021-2032, (USD Million)

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

Global Alkaline Protease for Detergent consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Alkaline Protease for Detergent domestic production, consumption, key domestic manufacturers and share

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

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

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

This report profiles key players in the global Alkaline Protease for Detergent 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, IFF, BASF, AB Enzymes, Advanced Enzyme Technologies, Sunson Industry Group, Qingdao Vland Biotech, VTR Biotech, Nanjing Bestzyme Bio-engineering, NB Group, 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 Alkaline Protease for Detergent 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 Alkaline Protease for Detergent Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Alkaline Protease for Detergent Market, Segmentation by Type:

High-Activity Powder

Concentrated Liquid

Global Alkaline Protease for Detergent Market, Segmentation by Enzyme Activity:

Standard Activity Type

High-Activity Type

Global Alkaline Protease for Detergent Market, Segmentation by Application:

Commercial

Residential

Industrial

Companies Profiled:

Novonosis

IFF

BASF

AB Enzymes

Advanced Enzyme Technologies

Sunson Industry Group

Qingdao Vland Biotech

VTR Biotech

Nanjing Bestzyme Bio-engineering

NB Group

Key Questions Answered:

1. How big is the global Alkaline Protease for Detergent market?
2. What is the demand of the global Alkaline Protease for Detergent market?
3. What is the year over year growth of the global Alkaline Protease for Detergent market?
4. What is the production and production value of the global Alkaline Protease for Detergent market?

5. Who are the key producers in the global Alkaline Protease for Detergent market?
6. What are the growth factors driving the market demand?

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