

Global Alkaline Proteases 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 Alkaline Proteases market size was valued at US\$ 489 million in 2025 and is forecast to a readjusted size of US\$ 687 million by 2032 with a CAGR of 5.0% during review period.

Alkaline protease is a class of broad-spectrum proteolytic enzymes that exhibit high activity in alkaline environments (typically with an optimal pH range of 9.0-11.0). Functioning primarily as serine endopeptidases, they efficiently hydrolyze macromolecular proteins into polypeptides and amino acids and are widely used across various industrial and scientific sectors.

Upstream inputs primarily include microbial strains, corn starch, glucose, molasses, soybean meal, yeast powder, peptone, inorganic salts, nitrogen sources, fermentation aids, defoamers, carriers, and packaging materials. Among these, the microbial strain determines enzyme activity, alkali and heat tolerance, and fermentation efficiency; carbon and nitrogen sources influence unit fermentation costs and batch-to-batch stability; and carriers and stabilizers affect the shelf life and performance of powder, granular, or liquid formulations.

In 2025, global sales volume is approximately 70,000 metric tons, with a global average price of roughly US\$5,500-8,000 per ton; major manufacturers typically achieve gross profit margins of approximately 30%-45%.

The alkaline protease industry is experiencing steady growth, driven primarily by the shift toward low-temperature washing, concentrated formulations, and eco-friendly product upgrades. Capable of breaking down protein-based stains such as blood, milk,

and sweat?at lower temperatures, proteases help reduce energy consumption while enhancing cleaning performance; consequently, leading companies like Novonesis and BASF continue to launch new protease products tailored for liquid detergents and cold-water washing. Beyond the detergent sector, industries such as food processing, leather, and textiles also generate stable demand for alkaline proteases, with the trend of replacing chemical treatments with enzymatic processes expected to intensify, particularly in food processing.

This report is a detailed and comprehensive analysis for global Alkaline Proteases 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 Alkaline Proteases market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

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

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

Global Alkaline Proteases market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 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 Alkaline Proteases

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 Alkaline Proteases 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, IFF, BASF, AB Enzymes, Kerry Group, Advanced Enzyme Technologies, Aum Enzymes, VTR Bio-Tech, Sunson Industry Group, Shandong Lonct Enzymes, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Alkaline Proteases 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

Bacterial Origin

Fungal Origin

Market segment by Product Form

Powder

Granules

Liquid

Market segment by Grade

Industrial Grade

Food Grade

Other

Market segment by Application

Daily Chemical

Food

Pharmaceuticals

Leather

Others

Major players covered

Novonesis

IFF

BASF

AB Enzymes

Kerry Group

Advanced Enzyme Technologies

Aum Enzymes

VTR Bio-Tech

Sunson Industry Group

Shandong Lonct Enzymes

Bestzyme

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 Alkaline Proteases product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Alkaline Proteases 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 Alkaline Proteases 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 Alkaline Proteases.

Chapter 14 and 15, to describe Alkaline Proteases sales channel, distributors, customers, research findings and conclusion.

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