

Global Detergent Grade α -Amylase 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 Detergent Grade α -Amylase market size was valued at US\$ 186 million in 2025 and is forecast to a readjusted size of US\$ 262 million by 2032 with a CAGR of 5.1% during review period.

Detergent Grade α -Amylase is a starch-degrading enzyme specifically designed for use in laundry powders, liquids, and pods; dishwashing powders and tablets; and commercial cleaning agents. Its primary function is to hydrolyze α -1,4-glycosidic bonds in starch, amylose, and amylopectin under washing conditions. It breaks down starch-based stains such as those from rice, pasta, potatoes, sauces, baby food, oatmeal, and chocolate into smaller dextrins, oligosaccharides, or soluble sugars, thereby facilitating the removal of stains by surfactants.

Upstream inputs primarily include fermentation carbon sources, nitrogen sources, inorganic salts, microbial strains, and formulation excipients. Carbon sources are typically derived from glucose, starch sugars, molasses, or corn steep liquor, while nitrogen sources may include soybean meal hydrolysates, yeast powder, or peptone; phosphates, calcium salts, and magnesium salts are used to support microbial growth and maintain enzyme structural stability. The core microbial strains are predominantly α -amylase-producing microorganisms suitable for large-scale fermentation, such as *Bacillus* and *Aspergillus* species. The midstream sector consists of industrial enzyme manufacturers; key processes include strain screening, protein engineering, fermentation scale-up, separation and concentration of the enzyme broth, liquid stabilization, granulation, low-dust treatment, and multi-enzyme blending.

In 2025, global sales volume is projected to be approximately 25,000 metric tons, with a

global average price of around US\$7,200 per ton; leading manufacturers in the industry typically achieve gross margins of approximately 30%-45%.

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

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

Global Detergent Grade α -Amylase 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 Detergent Grade α -Amylase 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 Detergent Grade α -Amylase

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 Detergent Grade α -Amylase 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, Advanced Enzyme Technologies, Noor Enzymes, VTR Biotech, Sunson Industry Group, Qingdao Vland Biotech, etc.

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

Market Segmentation

Detergent Grade α -Amylase 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

Liquid Type

Solid Type

Market segment by Applicable Temperature

Ambient-Temperature Amylase

High-Temperature Amylase

Market segment by Application

Laundry

Dishwashing

Other

Major players covered

Novonesis

IFF

BASF

Advanced Enzyme Technologies

Noor Enzymes

VTR Biotech

Sunson Industry Group

Qingdao Vland Biotech

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 Detergent Grade α -Amylase product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Detergent Grade α -Amylase, with price,

sales quantity, revenue, and global market share of Detergent Grade α -Amylase from 2021 to 2026.

Chapter 3, the Detergent Grade α -Amylase competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Detergent Grade α -Amylase 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 Detergent Grade α -Amylase 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 Detergent Grade α -Amylase.

Chapter 14 and 15, to describe Detergent Grade α -Amylase sales channel, distributors, customers, research findings and conclusion.

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