

Global Detergent Grade α -Amylase Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Detergent Grade α -Amylase market size is expected to reach \$ 262 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

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 dextrans, 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 studies the global Detergent Grade α -Amylase production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Detergent Grade α -Amylase total production and demand, 2021-2032, (Tons)

Global Detergent Grade α -Amylase total production value, 2021-2032, (USD Million)

Global Detergent Grade α -Amylase production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Detergent Grade α -Amylase consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Detergent Grade α -Amylase domestic production, consumption, key domestic manufacturers and share

Global Detergent Grade α -Amylase production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Detergent Grade α -Amylase production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Detergent Grade α -Amylase production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Detergent Grade α -Amylase 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, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Detergent Grade α -Amylase 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 Detergent Grade α -Amylase Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Detergent Grade α -Amylase Market, Segmentation by Type:

Liquid Type

Solid Type

Global Detergent Grade α -Amylase Market, Segmentation by Applicable Temperature:

Ambient-Temperature Amylase

High-Temperature Amylase

Global Detergent Grade α -Amylase Market, Segmentation by Application:

Laundry

Dishwashing

Other

Companies Profiled:

Novonesis

IFF

BASF

Advanced Enzyme Technologies

Noor Enzymes

VTR Biotech

Sunson Industry Group

Qingdao Vland Biotech

Key Questions Answered:

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

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