

# **Amylase Market By Source (Microbes, Plants, Animals) , By Type (Alpha-amylase, Beta-amylase, Gamma-amylase) By End-use (Food and beverage, Textile, Paper and pulp, Pharmaceutical, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

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## **Abstracts**

The amylase market was valued at \$2.7 billion in 2023, and is projected to reach \$4.4 billion by 2033, growing at a CAGR of 5.1% from 2024 to 2033.

Amylase is an enzyme that catalyzes the hydrolysis of starch into sugars, and helps in digestion of carbohydrates. This enzyme is majorly synthesized by pancreas and salivary glands. Owing to its ability to break down starches, it finds its application across various industries such as food & beverage, textiles, and paper. In the healthcare sector, amylase levels are measured to assess conditions such as pancreatitis and other digestive disorders.

The growth of the global amylase market is majorly driven by increase in consumer awareness about digestive health and the benefits of enzymes in improving digestion, which has increased the demand for amylase in dietary supplements and functional foods. Moreover, surge in demand for natural and clean label food products has led to the increased use of amylase as a natural additive for improving texture, flavor, and shelf life. In addition, it is used to enhance the quality and consistency of processed foods, such as bread, beer, and cereals, driving its demand in the food industry. Furthermore, increase in environmental concerns and need to adopt sustainable practices in industries such as agriculture, textiles, paper, and biofuels have boosted the demand for amylase as a biodegradable and non-toxic solution. However,

high cost of raw materials utilized in enzyme manufacturing, such as substrates and nutrients, acts as the key deterrent factor of the amylase market. On the contrary, the market is expected to witness lucrative growth opportunities due to ongoing R&D is focused on engineering amylase variants with improved stability, activity, and specificity under various conditions, broadening its application range.

The global amylase market is segmented on the basis of source, type, end use, and region. By source, the market is divided into microbes, plants, and animals. By type, the market is classified into alpha-amylase, beta-amylase, and gamma-amylase. On the basis of end use, it is categorized into food and beverage, textile, paper & pulp, pharmaceutical, and others. Region wise the market is studied across areas such as North America, Europe, Asia-Pacific, and LAMEA.

### Key Findings

By source, the microbes segment stands out as the major segment in the amylase market, and is expected to lead throughout by 2033.

On the basis of type, the alpha-amylase segment is expected to exhibit fastest growth throughout the forecast period.

Depending on end use, food & beverages is anticipated to be the prominent segment in the coming years.

Region wise, Asia-Pacific is anticipated to maintain its dominance by 2033.

### Competition Analysis

Competitive analysis and profiles of the major players in the global amylase market include Novozymes A/S, DSM, AB Enzymes, Chemzyme Biotechnology Co., Ltd., Sisco Research Laboratories Pvt Ltd, Kerry Group, Biolaxi Corporation, International Flavors & Fragrances Inc., Infinita Biotech Private Limited, Antozyme Biotech Private Limited. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the global market during the forecast period.

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SWOT Analysis

Key Market Segments

## By Source

Microbes

Plants

Animals

## By Type

Alpha-amylase

Beta-amylase

Gamma-amylase

## By End-use

Food and beverage

Textile

Paper and pulp

Pharmaceutical

Others

## By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

## Key Market Players

Novozymes A/S

DSM

AB Enzymes

Chemzyme Biotechnology Co., Ltd

Sisco Research Laboratories Pvt Ltd

Kerry Group

Biolaxi Corporation

International Flavors & Fragrances Inc.

Infinita Biotech Private Limited

Antozyme Biotech Private Limited

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