

Global Aspergillus Oryzae 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 Aspergillus Oryzae market size was valued at US\$ 59.68 million in 2025 and is forecast to a readjusted size of US\$ 97 million by 2032 with a CAGR of 7.0% during review period.

Aspergillus oryzae is a food-grade filamentous fungal strain primarily used in the production of koji, brewing fermentation, food enzyme production, and industrial microbial expression. Commercially traded forms include Aspergillus oryzae strains, starter cultures, and engineered strains under license, available as powdered or granular starter cultures, research reference strains, industrial production strains, and custom expression hosts. The estimated overall gross margin is approximately 52%.

The market for aspergillus oryzae itself is relatively small but stable, with strong repeat purchase characteristics. Core demand comes from traditional fermented food producers such as soy sauce, miso, sake, vinegar, and fermented soybean products, which require continuous procurement of starter cultures and production strains. Competition is not solely based on strain price; buyers focus on spore viability, fermentation speed, enzyme activity profile, contamination control, flavor consistency, and batch-to-batch reproducibility. Consequently, established starter culture suppliers and those capable of strain preservation can command a higher technical premium.

Market growth is driven along two main lines: first, the expansion of Asian fermented foods into overseas restaurants, condiments, and plant-based flavor development, which increases demand for professional starter cultures and standardized fermentation solutions; second, the use of aspergillus oryzae as an industrial host for proteases, amylases, lipases, food ingredient production, and recombinant protein expression.

Compared to conventional starter cultures, engineered strains, expression platforms, and strain licensing command higher unit prices, though many industrial strains are used internally by large food or enzyme companies, limiting the publicly tradable market.

Short-term market growth is unlikely to see a large-scale surge, but the value of highly stable starter cultures and engineered *Aspergillus oryzae* strains is expected to continue rising, driven by the overseas expansion of Asian fermented foods, clean-label flavor development, and expansion of precision fermentation host applications.

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

Global *Aspergillus Oryzae* market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global *Aspergillus Oryzae* market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global *Aspergillus Oryzae* market shares of main players, shipments in revenue (\$ Million), sales quantity (kg), and ASP (US\$/kg), 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 *Aspergillus Oryzae*

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 *Aspergillus Oryzae* 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 Akita Konno, Bio'c, Higuchi Matsunosuke Shoten, Nihon Jyozo Kogyo, Hishiroku, ATCC, DSMZ, NBRC, China Center of Industrial Culture Collection, NITE Biological Resource Center, etc.

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

Market Segmentation

Aspergillus Oryzae 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

Amylase-Dominant Type

Protease-Dominant Type

Glutaminase-Dominant Type

Balanced Enzyme Type

Market segment by Delivery Form

Powdered Starter

Granular Starter

Freeze-Dried Culture

Agar Slant Culture

Other

Market segment by Process Compatibility

Solid-State Koji Type

Submerged Fermentation Type

High-Salt Moromi Type

Low-Moisture Grain Type

Protein-Rich Substrate Type

Market segment by Application

Seasoning Fermentation

Alcoholic Beverage Brewing

Enzyme and Protein Production

Food and Feed Ingredient Fermentation

Research and Strain Engineering

Major players covered

Akita Konno

Bio'c

Higuchi Matsunosuke Shoten

Nihon Jyozo Kogyo

Hishiroku

ATCC

DSMZ

NBRC

China Center of Industrial Culture Collection

NITE Biological Resource Center

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 *Aspergillus Oryzae* product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the *Aspergillus Oryzae* 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 *Aspergillus Oryzae* 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 *Aspergillus Oryzae*.

Chapter 14 and 15, to describe *Aspergillus Oryzae* sales channel, distributors, customers, research findings and conclusion.

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