

# Global Microbial-Fermented Inositol 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 Microbial-Fermented Inositol market size was valued at US\$ 24.03 million in 2025 and is forecast to a readjusted size of US\$ 37.80 million by 2032 with a CAGR of 6.7% during review period.

In 2025, sales of microbial-fermented inositol reached 2,874 tons, with an average price of \$8,125 per ton.

Microbial-fermented inositol refers to a green manufacturing method that utilizes metabolically engineered microorganisms (such as *Escherichia coli*, *Saccharomyces cerevisiae*, *Pichia pastoris*, or *Bacillus subtilis*) to convert inexpensive carbon sources such as glucose and glycerol into inositol (mainly myo-inositol) at room temperature and pressure. Compared with the traditional high-temperature acid hydrolysis of phytic acid route, it has advantages such as milder reaction conditions, less pollution, high stereoselectivity, and ease of scale-up to industrial fermenters.

Using food-grade glucose or crude glycerol as the carbon source (accounting for 45-50% of raw material costs), plus nitrogen sources (ammonia, yeast powder), inorganic salts ( $\text{KH}_2\text{PO}_4$ ,  $\text{MgSO}_4$ ), and trace metals, the total raw material cost accounts for 20%; fermentation energy consumption (aeration, stirring, cooling) accounts for 15%; downstream membrane filtration, decolorization, ion exchange, concentration, and crystallization account for 15%.

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

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

Global Microbial-Fermented Inositol 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 Microbial-Fermented Inositol 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 Microbial-Fermented Inositol
- 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 Microbial-Fermented Inositol 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 TSUNO, Anhui Huaheng, Yili Chuaning Biotechnology, etc.

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

### **Market Segmentation**

Microbial-Fermented Inositol 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**

Food Grade

Pharmaceutical Grade

Feed Grade

### **Market segment by Strains**

Escherichia coli Engineered Bacteria

Saccharomyces cerevisiae Engineered Bacterium

Pichia pastoris Engineered Bacterium Subtilis

### **Market segment by Carbon Source**

Glucose Type

Glycerol Type

Crude Glycerol-Melamine Mixture

### **Market segment by Application**

Pharmaceuticals

Food and Beverages

Cosmetics

Feed Additives

Other

Major players covered

TSUNO

Anhui Huaheng

Yili Chuanning Biotechnology

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 Microbial-Fermented Inositol product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Microbial-Fermented Inositol, with price, sales quantity, revenue, and global market share of Microbial-Fermented Inositol from 2021 to 2026.

Chapter 3, the Microbial-Fermented Inositol competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Microbial-Fermented Inositol 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 Microbial-Fermented Inositol 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 Microbial-Fermented Inositol.

Chapter 14 and 15, to describe Microbial-Fermented Inositol sales channel, distributors, customers, research findings and conclusion.

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