

Global Microbial Fermentation Pigments Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G42776963F1CEN.html>

Date: April 2026

Pages: 146

Price: US\$ 4,480.00 (Single User License)

ID: G42776963F1CEN

Abstracts

The global Microbial Fermentation Pigments market size is expected to reach \$ 392 million by 2032, rising at a market growth of 7.0% CAGR during the forecast period (2026-2032).

Microbial fermentation pigments refer to natural pigments produced by microorganisms (such as fungi, bacteria, and algae) under specific fermentation conditions through their metabolic products. These pigments are generally safe, non-toxic, and some possess biological activity, making them widely used in the food, cosmetics, and printing and dyeing industries.

Upstream processes mainly involve the screening and modification of high-yield microbial strains (such as yeast, molds, and algae), fermentation raw materials (molasses, corn starch, inorganic salts, etc.), and bioreactors and testing equipment. The midstream stage involves fermentation and refining, using deep liquid or solid-state fermentation combined with separation, purification, and microencapsulation technologies to produce stable pigment formulations.

By 2025, global sales of microbial fermented pigments are projected to reach several thousand tons, with an average global market price of approximately US\$35-60 per kilogram. Gross profit margins are typically above 30% to 50%.

Compared to plant extraction methods, which are limited by seasons, arable land, and pesticide residues, and petrochemical synthesis methods, which face concerns about high pollution, precision fermentation using microorganisms (such as fungi, bacteria, and microalgae) as 'cell factories' has core advantages such as short production cycles, low carbon footprint, and controllable product composition. The global phase-out of

synthetic pigments is a foregone conclusion and is proceeding at a clear pace. In 2025, the U.S. Department of Health and Human Services and the FDA officially announced the removal of nine petroleum-based synthetic pigments from the list of food additives and their phase-out in stages. The EU, Japan, and China are also continuously tightening the approval and use thresholds for azo and coal tar pigments. Consumer demand for 'clean labels' has spread from Europe and the United States to the Asia-Pacific region, representing a significant growth point for the comparative advantage of microbial routes.

Despite progress in upstream synthesis, the high costs of midstream separation and purification (downstream processing) keep finished product prices competitive with traditional synthetic pigments in the short term, limiting their widespread adoption in mass-market consumer goods.

This report studies the global Microbial Fermentation Pigments production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Microbial Fermentation Pigments 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 Microbial Fermentation Pigments that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Microbial Fermentation Pigments total production and demand, 2021-2032, (Tons)

Global Microbial Fermentation Pigments total production value, 2021-2032, (USD Million)

Global Microbial Fermentation Pigments production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Microbial Fermentation Pigments consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Microbial Fermentation Pigments domestic production, consumption, key domestic manufacturers and share

Global Microbial Fermentation Pigments production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Microbial Fermentation Pigments production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Microbial Fermentation Pigments production by Application, production, value,

CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Microbial Fermentation Pigments 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 DSM-firmenich, BASF, Lycored, Yaegaki Biotechnology, Divi's Nutraceuticals, Fermentalg, Colorifix, Pili, Octarine Bio, Zhongda Hengyuan, 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 Microbial Fermentation Pigments market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) 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 Microbial Fermentation Pigments Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Microbial Fermentation Pigments Market, Segmentation by Type:

Red Yeast Rice Pigment

Gardenia Pigment

Carotenoids

Melanin

Other

Global Microbial Fermentation Pigments Market, Segmentation by Microorganism Source:

Fungi

Bacteria

Yeasts

Global Microbial Fermentation Pigments Market, Segmentation by Grade:

Food Grade

Industrial Grade

Global Microbial Fermentation Pigments Market, Segmentation by Form:

Powder

Liquid

Global Microbial Fermentation Pigments Market, Segmentation by Application:

Food

Cosmetic

Pharmaceutical

Textiles & Printing

Other

Companies Profiled:

DSM-firmenich

BASF

Lycored

Yaegaki Biotechnology

Divi's Nutraceuticals

Fermentalg

Colorifix

Pili

Octarine Bio

Zhongda Hengyuan

Tianyi Biotech

Guangdong KeLong Biotech

CABIO Biotech

HSF Biotech

Zhejiang Sanhe Bio-tech

Daosheng Synbiology

Key Questions Answered:

1. How big is the global Microbial Fermentation Pigments market?
2. What is the demand of the global Microbial Fermentation Pigments market?
3. What is the year over year growth of the global Microbial Fermentation Pigments market?
4. What is the production and production value of the global Microbial Fermentation Pigments market?
5. Who are the key producers in the global Microbial Fermentation Pigments market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Microbial Fermentation Pigments Introduction
- 1.2 World Microbial Fermentation Pigments Supply & Forecast
 - 1.2.1 World Microbial Fermentation Pigments Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Microbial Fermentation Pigments Production (2021-2032)
 - 1.2.3 World Microbial Fermentation Pigments Pricing Trends (2021-2032)
- 1.3 World Microbial Fermentation Pigments Production by Region (Based on Production Site)
 - 1.3.1 World Microbial Fermentation Pigments Production Value by Region (2021-2032)
 - 1.3.2 World Microbial Fermentation Pigments Production by Region (2021-2032)
 - 1.3.3 World Microbial Fermentation Pigments Average Price by Region (2021-2032)
 - 1.3.4 North America Microbial Fermentation Pigments Production (2021-2032)
 - 1.3.5 Europe Microbial Fermentation Pigments Production (2021-2032)
 - 1.3.6 China Microbial Fermentation Pigments Production (2021-2032)
 - 1.3.7 Japan Microbial Fermentation Pigments Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Microbial Fermentation Pigments Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Microbial Fermentation Pigments Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Microbial Fermentation Pigments Demand (2021-2032)
- 2.2 World Microbial Fermentation Pigments Consumption by Region
 - 2.2.1 World Microbial Fermentation Pigments Consumption by Region (2021-2026)
 - 2.2.2 World Microbial Fermentation Pigments Consumption Forecast by Region (2027-2032)
- 2.3 United States Microbial Fermentation Pigments Consumption (2021-2032)
- 2.4 China Microbial Fermentation Pigments Consumption (2021-2032)
- 2.5 Europe Microbial Fermentation Pigments Consumption (2021-2032)
- 2.6 Japan Microbial Fermentation Pigments Consumption (2021-2032)
- 2.7 South Korea Microbial Fermentation Pigments Consumption (2021-2032)
- 2.8 ASEAN Microbial Fermentation Pigments Consumption (2021-2032)
- 2.9 India Microbial Fermentation Pigments Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Microbial Fermentation Pigments Production Value by Manufacturer (2021-2026)
- 3.2 World Microbial Fermentation Pigments Production by Manufacturer (2021-2026)
- 3.3 World Microbial Fermentation Pigments Average Price by Manufacturer (2021-2026)
- 3.4 Microbial Fermentation Pigments Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Microbial Fermentation Pigments Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Microbial Fermentation Pigments in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Microbial Fermentation Pigments in 2025
- 3.6 Microbial Fermentation Pigments Market: Overall Company Footprint Analysis
 - 3.6.1 Microbial Fermentation Pigments Market: Region Footprint
 - 3.6.2 Microbial Fermentation Pigments Market: Company Product Type Footprint
 - 3.6.3 Microbial Fermentation Pigments Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Microbial Fermentation Pigments Production Value Comparison
 - 4.1.1 United States VS China: Microbial Fermentation Pigments Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Microbial Fermentation Pigments Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Microbial Fermentation Pigments Production Comparison
 - 4.2.1 United States VS China: Microbial Fermentation Pigments Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Microbial Fermentation Pigments Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Microbial Fermentation Pigments Consumption Comparison
 - 4.3.1 United States VS China: Microbial Fermentation Pigments Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Microbial Fermentation Pigments Consumption Market

Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Microbial Fermentation Pigments Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Microbial Fermentation Pigments Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Microbial Fermentation Pigments Production Value (2021-2026)

4.4.3 United States Based Manufacturers Microbial Fermentation Pigments Production (2021-2026)

4.5 China Based Microbial Fermentation Pigments Manufacturers and Market Share

4.5.1 China Based Microbial Fermentation Pigments Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Microbial Fermentation Pigments Production Value (2021-2026)

4.5.3 China Based Manufacturers Microbial Fermentation Pigments Production (2021-2026)

4.6 Rest of World Based Microbial Fermentation Pigments Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Microbial Fermentation Pigments Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Microbial Fermentation Pigments Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Microbial Fermentation Pigments Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Microbial Fermentation Pigments Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Red Yeast Rice Pigment

5.2.2 Gardenia Pigment

5.2.3 Carotenoids

5.2.4 Melanin

5.2.5 Other

5.3 Market Segment by Type

5.3.1 World Microbial Fermentation Pigments Production by Type (2021-2032)

5.3.2 World Microbial Fermentation Pigments Production Value by Type (2021-2032)

5.3.3 World Microbial Fermentation Pigments Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY MICROORGANISM SOURCE

6.1 World Microbial Fermentation Pigments Market Size Overview by Microorganism Source: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Microorganism Source

6.2.1 Fungi

6.2.2 Bacteria

6.2.3 Yeasts

6.3 Market Segment by Microorganism Source

6.3.1 World Microbial Fermentation Pigments Production by Microorganism Source (2021-2032)

6.3.2 World Microbial Fermentation Pigments Production Value by Microorganism Source (2021-2032)

6.3.3 World Microbial Fermentation Pigments Average Price by Microorganism Source (2021-2032)

7 MARKET ANALYSIS BY GRADE

7.1 World Microbial Fermentation Pigments Market Size Overview by Grade: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Grade

7.2.1 Food Grade

7.2.2 Industrial Grade

7.3 Market Segment by Grade

7.3.1 World Microbial Fermentation Pigments Production by Grade (2021-2032)

7.3.2 World Microbial Fermentation Pigments Production Value by Grade (2021-2032)

7.3.3 World Microbial Fermentation Pigments Average Price by Grade (2021-2032)

8 MARKET ANALYSIS BY FORM

8.1 World Microbial Fermentation Pigments Market Size Overview by Form: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Form

8.2.1 Powder

8.2.2 Liquid

8.3 Market Segment by Form

8.3.1 World Microbial Fermentation Pigments Production by Form (2021-2032)

8.3.2 World Microbial Fermentation Pigments Production Value by Form (2021-2032)

8.3.3 World Microbial Fermentation Pigments Average Price by Form (2021-2032)

9 MARKET ANALYSIS BY APPLICATION

9.1 World Microbial Fermentation Pigments Market Size Overview by Application: 2021 VS 2025 VS 2032

9.2 Segment Introduction by Application

9.2.1 Food

9.2.2 Cosmetic

9.2.3 Pharmaceutical

9.2.4 Textiles & Printing

9.2.5 Other

9.3 Market Segment by Application

9.3.1 World Microbial Fermentation Pigments Production by Application (2021-2032)

9.3.2 World Microbial Fermentation Pigments Production Value by Application (2021-2032)

9.3.3 World Microbial Fermentation Pigments Average Price by Application (2021-2032)

10 COMPANY PROFILES

10.1 DSM-firmenich

10.1.1 DSM-firmenich Details

10.1.2 DSM-firmenich Major Business

10.1.3 DSM-firmenich Microbial Fermentation Pigments Product and Services

10.1.4 DSM-firmenich Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.1.5 DSM-firmenich Recent Developments/Updates

10.1.6 DSM-firmenich Competitive Strengths & Weaknesses

10.2 BASF

10.2.1 BASF Details

10.2.2 BASF Major Business

10.2.3 BASF Microbial Fermentation Pigments Product and Services

10.2.4 BASF Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.2.5 BASF Recent Developments/Updates

10.2.6 BASF Competitive Strengths & Weaknesses

10.3 Lycored

10.3.1 Lycored Details

- 10.3.2 Lycored Major Business
- 10.3.3 Lycored Microbial Fermentation Pigments Product and Services
- 10.3.4 Lycored Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 10.3.5 Lycored Recent Developments/Updates
- 10.3.6 Lycored Competitive Strengths & Weaknesses
- 10.4 Yaegaki Biotechnology
 - 10.4.1 Yaegaki Biotechnology Details
 - 10.4.2 Yaegaki Biotechnology Major Business
 - 10.4.3 Yaegaki Biotechnology Microbial Fermentation Pigments Product and Services
 - 10.4.4 Yaegaki Biotechnology Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.4.5 Yaegaki Biotechnology Recent Developments/Updates
 - 10.4.6 Yaegaki Biotechnology Competitive Strengths & Weaknesses
- 10.5 Divi's Nutraceuticals
 - 10.5.1 Divi's Nutraceuticals Details
 - 10.5.2 Divi's Nutraceuticals Major Business
 - 10.5.3 Divi's Nutraceuticals Microbial Fermentation Pigments Product and Services
 - 10.5.4 Divi's Nutraceuticals Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.5.5 Divi's Nutraceuticals Recent Developments/Updates
 - 10.5.6 Divi's Nutraceuticals Competitive Strengths & Weaknesses
- 10.6 Fermentalg
 - 10.6.1 Fermentalg Details
 - 10.6.2 Fermentalg Major Business
 - 10.6.3 Fermentalg Microbial Fermentation Pigments Product and Services
 - 10.6.4 Fermentalg Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.6.5 Fermentalg Recent Developments/Updates
 - 10.6.6 Fermentalg Competitive Strengths & Weaknesses
- 10.7 Colorifix
 - 10.7.1 Colorifix Details
 - 10.7.2 Colorifix Major Business
 - 10.7.3 Colorifix Microbial Fermentation Pigments Product and Services
 - 10.7.4 Colorifix Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.7.5 Colorifix Recent Developments/Updates
 - 10.7.6 Colorifix Competitive Strengths & Weaknesses
- 10.8 Pili

- 10.8.1 Pili Details
- 10.8.2 Pili Major Business
- 10.8.3 Pili Microbial Fermentation Pigments Product and Services
- 10.8.4 Pili Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 10.8.5 Pili Recent Developments/Updates
- 10.8.6 Pili Competitive Strengths & Weaknesses
- 10.9 Octarine Bio
 - 10.9.1 Octarine Bio Details
 - 10.9.2 Octarine Bio Major Business
 - 10.9.3 Octarine Bio Microbial Fermentation Pigments Product and Services
 - 10.9.4 Octarine Bio Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.9.5 Octarine Bio Recent Developments/Updates
 - 10.9.6 Octarine Bio Competitive Strengths & Weaknesses
- 10.10 Zhongda Hengyuan
 - 10.10.1 Zhongda Hengyuan Details
 - 10.10.2 Zhongda Hengyuan Major Business
 - 10.10.3 Zhongda Hengyuan Microbial Fermentation Pigments Product and Services
 - 10.10.4 Zhongda Hengyuan Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.10.5 Zhongda Hengyuan Recent Developments/Updates
 - 10.10.6 Zhongda Hengyuan Competitive Strengths & Weaknesses
- 10.11 Tianyi Biotech
 - 10.11.1 Tianyi Biotech Details
 - 10.11.2 Tianyi Biotech Major Business
 - 10.11.3 Tianyi Biotech Microbial Fermentation Pigments Product and Services
 - 10.11.4 Tianyi Biotech Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.11.5 Tianyi Biotech Recent Developments/Updates
 - 10.11.6 Tianyi Biotech Competitive Strengths & Weaknesses
- 10.12 Guangdong KeLong Biotech
 - 10.12.1 Guangdong KeLong Biotech Details
 - 10.12.2 Guangdong KeLong Biotech Major Business
 - 10.12.3 Guangdong KeLong Biotech Microbial Fermentation Pigments Product and Services
 - 10.12.4 Guangdong KeLong Biotech Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.12.5 Guangdong KeLong Biotech Recent Developments/Updates

- 10.12.6 Guangdong KeLong Biotech Competitive Strengths & Weaknesses
- 10.13 CABIO Biotech
 - 10.13.1 CABIO Biotech Details
 - 10.13.2 CABIO Biotech Major Business
 - 10.13.3 CABIO Biotech Microbial Fermentation Pigments Product and Services
 - 10.13.4 CABIO Biotech Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.13.5 CABIO Biotech Recent Developments/Updates
 - 10.13.6 CABIO Biotech Competitive Strengths & Weaknesses
- 10.14 HSF Biotech
 - 10.14.1 HSF Biotech Details
 - 10.14.2 HSF Biotech Major Business
 - 10.14.3 HSF Biotech Microbial Fermentation Pigments Product and Services
 - 10.14.4 HSF Biotech Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.14.5 HSF Biotech Recent Developments/Updates
 - 10.14.6 HSF Biotech Competitive Strengths & Weaknesses
- 10.15 Zhejiang Sanhe Bio-tech
 - 10.15.1 Zhejiang Sanhe Bio-tech Details
 - 10.15.2 Zhejiang Sanhe Bio-tech Major Business
 - 10.15.3 Zhejiang Sanhe Bio-tech Microbial Fermentation Pigments Product and Services
 - 10.15.4 Zhejiang Sanhe Bio-tech Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.15.5 Zhejiang Sanhe Bio-tech Recent Developments/Updates
 - 10.15.6 Zhejiang Sanhe Bio-tech Competitive Strengths & Weaknesses
- 10.16 Daosheng Synbiology
 - 10.16.1 Daosheng Synbiology Details
 - 10.16.2 Daosheng Synbiology Major Business
 - 10.16.3 Daosheng Synbiology Microbial Fermentation Pigments Product and Services
 - 10.16.4 Daosheng Synbiology Microbial Fermentation Pigments Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.16.5 Daosheng Synbiology Recent Developments/Updates
 - 10.16.6 Daosheng Synbiology Competitive Strengths & Weaknesses

11 INDUSTRY CHAIN ANALYSIS

- 11.1 Microbial Fermentation Pigments Industry Chain
- 11.2 Microbial Fermentation Pigments Upstream Analysis

- 11.2.1 Microbial Fermentation Pigments Core Raw Materials
- 11.2.2 Main Manufacturers of Microbial Fermentation Pigments Core Raw Materials
- 11.3 Midstream Analysis
- 11.4 Downstream Analysis
- 11.5 Microbial Fermentation Pigments Production Mode
- 11.6 Microbial Fermentation Pigments Procurement Model
- 11.7 Microbial Fermentation Pigments Industry Sales Model and Sales Channels
 - 11.7.1 Microbial Fermentation Pigments Sales Model
 - 11.7.2 Microbial Fermentation Pigments Typical Distributors

12 RESEARCH FINDINGS AND CONCLUSION

13 APPENDIX

- 13.1 Methodology
- 13.2 Research Process and Data Source
- 13.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Microbial Fermentation Pigments Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Microbial Fermentation Pigments Production Value by Region (2021-2026) & (USD Million)

Table 3. World Microbial Fermentation Pigments Production Value by Region (2027-2032) & (USD Million)

Table 4. World Microbial Fermentation Pigments Production Value Market Share by Region (2021-2026)

Table 5. World Microbial Fermentation Pigments Production Value Market Share by Region (2027-2032)

Table 6. World Microbial Fermentation Pigments Production by Region (2021-2026) & (Tons)

Table 7. World Microbial Fermentation Pigments Production by Region (2027-2032) & (Tons)

Table 8. World Microbial Fermentation Pigments Production Market Share by Region (2021-2026)

Table 9. World Microbial Fermentation Pigments Production Market Share by Region (2027-2032)

Table 10. World Microbial Fermentation Pigments Average Price by Region (2021-2026) & (US\$/kg)

Table 11. World Microbial Fermentation Pigments Average Price by Region (2027-2032) & (US\$/kg)

Table 12. Microbial Fermentation Pigments Major Market Trends

Table 13. World Microbial Fermentation Pigments Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Microbial Fermentation Pigments Consumption by Region (2021-2026) & (Tons)

Table 15. World Microbial Fermentation Pigments Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Microbial Fermentation Pigments Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Microbial Fermentation Pigments Producers in 2025

Table 18. World Microbial Fermentation Pigments Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Microbial Fermentation Pigments Producers in 2025

Table 20. World Microbial Fermentation Pigments Average Price by Manufacturer (2021-2026) & (US\$/kg)

Table 21. Global Microbial Fermentation Pigments Company Evaluation Quadrant

Table 22. World Microbial Fermentation Pigments Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Microbial Fermentation Pigments Production Site of Key Manufacturer

Table 24. Microbial Fermentation Pigments Market: Company Product Type Footprint

Table 25. Microbial Fermentation Pigments Market: Company Product Application Footprint

Table 26. Microbial Fermentation Pigments Competitive Factors

Table 27. Microbial Fermentation Pigments New Entrant and Capacity Expansion Plans

Table 28. Microbial Fermentation Pigments Mergers & Acquisitions Activity

Table 29. United States VS China Microbial Fermentation Pigments Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Microbial Fermentation Pigments Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Microbial Fermentation Pigments Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Microbial Fermentation Pigments Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Microbial Fermentation Pigments Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Microbial Fermentation Pigments Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Microbial Fermentation Pigments Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Microbial Fermentation Pigments Production Market Share (2021-2026)

Table 37. China Based Microbial Fermentation Pigments Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Microbial Fermentation Pigments Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Microbial Fermentation Pigments Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Microbial Fermentation Pigments Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Microbial Fermentation Pigments Production Market Share (2021-2026)

Table 42. Rest of World Based Microbial Fermentation Pigments Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Microbial Fermentation Pigments Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Microbial Fermentation Pigments Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Microbial Fermentation Pigments Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Microbial Fermentation Pigments Production Market Share (2021-2026)

Table 47. World Microbial Fermentation Pigments Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Microbial Fermentation Pigments Production by Type (2021-2026) & (Tons)

Table 49. World Microbial Fermentation Pigments Production by Type (2027-2032) & (Tons)

Table 50. World Microbial Fermentation Pigments Production Value by Type (2021-2026) & (USD Million)

Table 51. World Microbial Fermentation Pigments Production Value by Type (2027-2032) & (USD Million)

Table 52. World Microbial Fermentation Pigments Average Price by Type (2021-2026) & (US\$/kg)

Table 53. World Microbial Fermentation Pigments Average Price by Type (2027-2032) & (US\$/kg)

Table 54. World Microbial Fermentation Pigments Production Value by Microorganism Source, (USD Million), 2021 & 2025 & 2032

Table 55. World Microbial Fermentation Pigments Production by Microorganism Source (2021-2026) & (Tons)

Table 56. World Microbial Fermentation Pigments Production by Microorganism Source (2027-2032) & (Tons)

Table 57. World Microbial Fermentation Pigments Production Value by Microorganism Source (2021-2026) & (USD Million)

Table 58. World Microbial Fermentation Pigments Production Value by Microorganism Source (2027-2032) & (USD Million)

Table 59. World Microbial Fermentation Pigments Average Price by Microorganism Source (2021-2026) & (US\$/kg)

Table 60. World Microbial Fermentation Pigments Average Price by Microorganism

Source (2027-2032) & (US\$/kg)

Table 61. World Microbial Fermentation Pigments Production Value by Grade, (USD Million), 2021 & 2025 & 2032

Table 62. World Microbial Fermentation Pigments Production by Grade (2021-2026) & (Tons)

Table 63. World Microbial Fermentation Pigments Production by Grade (2027-2032) & (Tons)

Table 64. World Microbial Fermentation Pigments Production Value by Grade (2021-2026) & (USD Million)

Table 65. World Microbial Fermentation Pigments Production Value by Grade (2027-2032) & (USD Million)

Table 66. World Microbial Fermentation Pigments Average Price by Grade (2021-2026) & (US\$/kg)

Table 67. World Microbial Fermentation Pigments Average Price by Grade (2027-2032) & (US\$/kg)

Table 68. World Microbial Fermentation Pigments Production Value by Form, (USD Million), 2021 & 2025 & 2032

Table 69. World Microbial Fermentation Pigments Production by Form (2021-2026) & (Tons)

Table 70. World Microbial Fermentation Pigments Production by Form (2027-2032) & (Tons)

Table 71. World Microbial Fermentation Pigments Production Value by Form (2021-2026) & (USD Million)

Table 72. World Microbial Fermentation Pigments Production Value by Form (2027-2032) & (USD Million)

Table 73. World Microbial Fermentation Pigments Average Price by Form (2021-2026) & (US\$/kg)

Table 74. World Microbial Fermentation Pigments Average Price by Form (2027-2032) & (US\$/kg)

Table 75. World Microbial Fermentation Pigments Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 76. World Microbial Fermentation Pigments Production by Application (2021-2026) & (Tons)

Table 77. World Microbial Fermentation Pigments Production by Application (2027-2032) & (Tons)

Table 78. World Microbial Fermentation Pigments Production Value by Application (2021-2026) & (USD Million)

Table 79. World Microbial Fermentation Pigments Production Value by Application (2027-2032) & (USD Million)

Table 80. World Microbial Fermentation Pigments Average Price by Application (2021-2026) & (US\$/kg)

Table 81. World Microbial Fermentation Pigments Average Price by Application (2027-2032) & (US\$/kg)

Table 82. DSM-firmenich Basic Information, Manufacturing Base and Competitors

Table 83. DSM-firmenich Major Business

Table 84. DSM-firmenich Microbial Fermentation Pigments Product and Services

Table 85. DSM-firmenich Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 86. DSM-firmenich Recent Developments/Updates

Table 87. DSM-firmenich Competitive Strengths & Weaknesses

Table 88. BASF Basic Information, Manufacturing Base and Competitors

Table 89. BASF Major Business

Table 90. BASF Microbial Fermentation Pigments Product and Services

Table 91. BASF Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 92. BASF Recent Developments/Updates

Table 93. BASF Competitive Strengths & Weaknesses

Table 94. Lycored Basic Information, Manufacturing Base and Competitors

Table 95. Lycored Major Business

Table 96. Lycored Microbial Fermentation Pigments Product and Services

Table 97. Lycored Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 98. Lycored Recent Developments/Updates

Table 99. Lycored Competitive Strengths & Weaknesses

Table 100. Yaegaki Biotechnology Basic Information, Manufacturing Base and Competitors

Table 101. Yaegaki Biotechnology Major Business

Table 102. Yaegaki Biotechnology Microbial Fermentation Pigments Product and Services

Table 103. Yaegaki Biotechnology Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 104. Yaegaki Biotechnology Recent Developments/Updates

Table 105. Yaegaki Biotechnology Competitive Strengths & Weaknesses

Table 106. Divi's Nutraceuticals Basic Information, Manufacturing Base and Competitors

Table 107. Divi's Nutraceuticals Major Business

Table 108. Divi's Nutraceuticals Microbial Fermentation Pigments Product and Services

Table 109. Divi's Nutraceuticals Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 110. Divi's Nutraceuticals Recent Developments/Updates

Table 111. Divi's Nutraceuticals Competitive Strengths & Weaknesses

Table 112. Fermentalg Basic Information, Manufacturing Base and Competitors

Table 113. Fermentalg Major Business

Table 114. Fermentalg Microbial Fermentation Pigments Product and Services

Table 115. Fermentalg Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 116. Fermentalg Recent Developments/Updates

Table 117. Fermentalg Competitive Strengths & Weaknesses

Table 118. Colorifix Basic Information, Manufacturing Base and Competitors

Table 119. Colorifix Major Business

Table 120. Colorifix Microbial Fermentation Pigments Product and Services

Table 121. Colorifix Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 122. Colorifix Recent Developments/Updates

Table 123. Colorifix Competitive Strengths & Weaknesses

Table 124. Pili Basic Information, Manufacturing Base and Competitors

Table 125. Pili Major Business

Table 126. Pili Microbial Fermentation Pigments Product and Services

Table 127. Pili Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 128. Pili Recent Developments/Updates

Table 129. Pili Competitive Strengths & Weaknesses

Table 130. Octarine Bio Basic Information, Manufacturing Base and Competitors

Table 131. Octarine Bio Major Business

Table 132. Octarine Bio Microbial Fermentation Pigments Product and Services

Table 133. Octarine Bio Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 134. Octarine Bio Recent Developments/Updates

Table 135. Octarine Bio Competitive Strengths & Weaknesses

Table 136. Zhongda Hengyuan Basic Information, Manufacturing Base and Competitors

Table 137. Zhongda Hengyuan Major Business

Table 138. Zhongda Hengyuan Microbial Fermentation Pigments Product and Services

Table 139. Zhongda Hengyuan Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 140. Zhongda Hengyuan Recent Developments/Updates
- Table 141. Zhongda Hengyuan Competitive Strengths & Weaknesses
- Table 142. Tianyi Biotech Basic Information, Manufacturing Base and Competitors
- Table 143. Tianyi Biotech Major Business
- Table 144. Tianyi Biotech Microbial Fermentation Pigments Product and Services
- Table 145. Tianyi Biotech Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 146. Tianyi Biotech Recent Developments/Updates
- Table 147. Tianyi Biotech Competitive Strengths & Weaknesses
- Table 148. Guangdong KeLong Biotech Basic Information, Manufacturing Base and Competitors
- Table 149. Guangdong KeLong Biotech Major Business
- Table 150. Guangdong KeLong Biotech Microbial Fermentation Pigments Product and Services
- Table 151. Guangdong KeLong Biotech Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 152. Guangdong KeLong Biotech Recent Developments/Updates
- Table 153. Guangdong KeLong Biotech Competitive Strengths & Weaknesses
- Table 154. CABIO Biotech Basic Information, Manufacturing Base and Competitors
- Table 155. CABIO Biotech Major Business
- Table 156. CABIO Biotech Microbial Fermentation Pigments Product and Services
- Table 157. CABIO Biotech Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 158. CABIO Biotech Recent Developments/Updates
- Table 159. CABIO Biotech Competitive Strengths & Weaknesses
- Table 160. HSF Biotech Basic Information, Manufacturing Base and Competitors
- Table 161. HSF Biotech Major Business
- Table 162. HSF Biotech Microbial Fermentation Pigments Product and Services
- Table 163. HSF Biotech Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 164. HSF Biotech Recent Developments/Updates
- Table 165. HSF Biotech Competitive Strengths & Weaknesses
- Table 166. Zhejiang Sanhe Bio-tech Basic Information, Manufacturing Base and Competitors
- Table 167. Zhejiang Sanhe Bio-tech Major Business
- Table 168. Zhejiang Sanhe Bio-tech Microbial Fermentation Pigments Product and Services
- Table 169. Zhejiang Sanhe Bio-tech Microbial Fermentation Pigments Production

(Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 170. Zhejiang Sanhe Bio-tech Recent Developments/Updates

Table 171. Zhejiang Sanhe Bio-tech Competitive Strengths & Weaknesses

Table 172. Daosheng Synbiology Basic Information, Manufacturing Base and Competitors

Table 173. Daosheng Synbiology Major Business

Table 174. Daosheng Synbiology Microbial Fermentation Pigments Product and Services

Table 175. Daosheng Synbiology Microbial Fermentation Pigments Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 176. Daosheng Synbiology Recent Developments/Updates

Table 177. Daosheng Synbiology Competitive Strengths & Weaknesses

Table 178. Global Key Players of Microbial Fermentation Pigments Upstream (Raw Materials)

Table 179. Global Microbial Fermentation Pigments Typical Customers

Table 180. Microbial Fermentation Pigments Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Microbial Fermentation Pigments Picture

Figure 2. World Microbial Fermentation Pigments Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Microbial Fermentation Pigments Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Microbial Fermentation Pigments Production (2021-2032) & (Tons)

Figure 5. World Microbial Fermentation Pigments Average Price (2021-2032) & (US\$/kg)

Figure 6. World Microbial Fermentation Pigments Production Value Market Share by Region (2021-2032)

Figure 7. World Microbial Fermentation Pigments Production Market Share by Region (2021-2032)

Figure 8. North America Microbial Fermentation Pigments Production (2021-2032) & (Tons)

Figure 9. Europe Microbial Fermentation Pigments Production (2021-2032) & (Tons)

Figure 10. China Microbial Fermentation Pigments Production (2021-2032) & (Tons)

Figure 11. Japan Microbial Fermentation Pigments Production (2021-2032) & (Tons)

Figure 12. Microbial Fermentation Pigments Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Microbial Fermentation Pigments Consumption (2021-2032) & (Tons)

Figure 15. World Microbial Fermentation Pigments Consumption Market Share by Region (2021-2032)

Figure 16. United States Microbial Fermentation Pigments Consumption (2021-2032) & (Tons)

Figure 17. China Microbial Fermentation Pigments Consumption (2021-2032) & (Tons)

Figure 18. Europe Microbial Fermentation Pigments Consumption (2021-2032) & (Tons)

Figure 19. Japan Microbial Fermentation Pigments Consumption (2021-2032) & (Tons)

Figure 20. South Korea Microbial Fermentation Pigments Consumption (2021-2032) & (Tons)

Figure 21. ASEAN Microbial Fermentation Pigments Consumption (2021-2032) & (Tons)

Figure 22. India Microbial Fermentation Pigments Consumption (2021-2032) & (Tons)

Figure 23. Producer Shipments of Microbial Fermentation Pigments by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Microbial Fermentation

Pigments Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Microbial Fermentation

Pigments Markets in 2025

Figure 26. United States VS China: Microbial Fermentation Pigments Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Microbial Fermentation Pigments Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Microbial Fermentation Pigments Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Microbial Fermentation Pigments Production Market Share 2025

Figure 30. China Based Manufacturers Microbial Fermentation Pigments Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Microbial Fermentation Pigments Production Market Share 2025

Figure 32. World Microbial Fermentation Pigments Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Microbial Fermentation Pigments Production Value Market Share by Type in 2025

Figure 34. Red Yeast Rice Pigment

Figure 35. Gardenia Pigment

Figure 36. Carotenoids

Figure 37. Melanin

Figure 38. Other

Figure 39. World Microbial Fermentation Pigments Production Market Share by Type (2021-2032)

Figure 40. World Microbial Fermentation Pigments Production Value Market Share by Type (2021-2032)

Figure 41. World Microbial Fermentation Pigments Average Price by Type (2021-2032) & (US\$/kg)

Figure 42. World Microbial Fermentation Pigments Production Value by Microorganism Source, (USD Million), 2021 & 2025 & 2032

Figure 43. World Microbial Fermentation Pigments Production Value Market Share by Microorganism Source in 2025

Figure 44. Fungi

Figure 45. Bacteria

Figure 46. Yeasts

Figure 47. World Microbial Fermentation Pigments Production Market Share by Microorganism Source (2021-2032)

Figure 48. World Microbial Fermentation Pigments Production Value Market Share by Microorganism Source (2021-2032)

Figure 49. World Microbial Fermentation Pigments Average Price by Microorganism Source (2021-2032) & (US\$/kg)

Figure 50. World Microbial Fermentation Pigments Production Value by Grade, (USD Million), 2021 & 2025 & 2032

Figure 51. World Microbial Fermentation Pigments Production Value Market Share by Grade in 2025

Figure 52. Food Grade

Figure 53. Industrial Grade

Figure 54. World Microbial Fermentation Pigments Production Market Share by Grade (2021-2032)

Figure 55. World Microbial Fermentation Pigments Production Value Market Share by Grade (2021-2032)

Figure 56. World Microbial Fermentation Pigments Average Price by Grade (2021-2032) & (US\$/kg)

Figure 57. World Microbial Fermentation Pigments Production Value by Form, (USD Million), 2021 & 2025 & 2032

Figure 58. World Microbial Fermentation Pigments Production Value Market Share by Form in 2025

Figure 59. Powder

Figure 60. Liquid

Figure 61. World Microbial Fermentation Pigments Production Market Share by Form (2021-2032)

Figure 62. World Microbial Fermentation Pigments Production Value Market Share by Form (2021-2032)

Figure 63. World Microbial Fermentation Pigments Average Price by Form (2021-2032) & (US\$/kg)

Figure 64. World Microbial Fermentation Pigments Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 65. World Microbial Fermentation Pigments Production Value Market Share by Application in 2025

Figure 66. Food

Figure 67. Cosmetic

Figure 68. Pharmaceutical

Figure 69. Textiles & Printing

Figure 70. Other

Figure 71. World Microbial Fermentation Pigments Production Market Share by Application (2021-2032)

Figure 72. World Microbial Fermentation Pigments Production Value Market Share by Application (2021-2032)

Figure 73. World Microbial Fermentation Pigments Average Price by Application (2021-2032) & (US\$/kg)

Figure 74. Microbial Fermentation Pigments Industry Chain

Figure 75. Microbial Fermentation Pigments Procurement Model

Figure 76. Microbial Fermentation Pigments Sales Model

Figure 77. Microbial Fermentation Pigments Sales Channels, Direct Sales, and Distribution

Figure 78. Methodology

Figure 79. Research Process and Data Source

I would like to order

Product name: Global Microbial Fermentation Pigments Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G42776963F1CEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G42776963F1CEN.html>