

Global Mannosylerythritol Lipids (MELs) Market Growth 2026-2032

<https://marketpublishers.com/r/GA7C88B012CBEN.html>

Date: July 2026

Pages: 85

Price: US\$ 3,660.00 (Single User License)

ID: GA7C88B012CBEN

Abstracts

The global Mannosylerythritol Lipids (MELs) market size is predicted to grow from US\$ 70.43 million in 2025 to US\$ 113 million in 2032; it is expected to grow at a CAGR of 6.5% from 2026 to 2032.

Mannosylerythritol lipids (MELs) are a class of glycolipid biosurfactants produced through the fermentation of specific yeasts or fungi. Their molecular structure typically consists of a hydrophilic mannosylerythritol head group and hydrophobic fatty acid chains. They exhibit properties such as wetting, spreading, emulsifying, moisturizing, mildness, skin compatibility, self-assembly, and biodegradability. They are primarily used in high-end cosmetics, personal care products, agricultural adjuvants, research reagents, coatings for hygiene products, and specialty cleaning formulations. In 2025, global sales volume is approximately 240 metric tons, with an average unit price of around \$300 per kilogram and a global capacity utilization rate of approximately 46.5%. Upstream industry players include companies specializing in yeast strain development, fermentation engineering, vegetable oil and fatty acid raw materials, carbohydrate sources, agricultural and food industry by-product processing, fermentation tanks, separation and purification equipment, solvents and additives, and third-party testing agencies. Downstream players include cosmetic raw material suppliers, skincare brands, personal care formulators, pesticide adjuvant companies, green detergent manufacturers, hygiene product material suppliers, pharmaceutical delivery R&D institutions, research reagent suppliers, and contract formulation developers. The industry's average gross profit margin is approximately 48.0%. Regarding the cost structure, fermentation substrates and oil/fat carbon sources account for about 18%, strain maintenance and fermentation media for about 10%, and fermentation energy consumption and equipment operation for about 14%. ...%; downstream separation and purification account for approximately 20%; solvent recovery and environmental

treatment for 8%; R&D, testing, and regulatory documentation for 9%; labor and factory management for 7%; packaging, warehousing, and cold-chain logistics for 5%; equipment depreciation and maintenance for 6%; and other expenses for 3%. The demand profile encompasses high-end skincare active ingredients, mild emulsifiers, natural moisturizing agents, pesticide wetting and spreading agents, low-irritation cleansing formulas, biodegradable surfactants, functional coatings for hygiene materials, samples for scientific analysis, and materials for drug delivery research. Downstream customers include cosmetic raw material suppliers, skincare brands, pesticide formulation companies, green cleaning brands, pharmaceutical R&D institutions, university laboratories, scientific reagent companies, hygiene product manufacturers, and contract research and manufacturing organizations (CDMOs). Business opportunities are driven by policies favoring green chemistry, biomanufacturing, biodegradable surfactants, pesticide reduction and efficiency enhancement, and compliance trends regarding natural cosmetic ingredients; by technological innovations such as high-yield strain screening, low-cost fermentation using waste substrates, continuous fermentation, energy-efficient separation and purification, targeted production of MEL-A and MEL-B, formula stabilization, and refined application validation systems; and by shifting consumer preferences?specifically, a move away from traditional surfactants toward bio-based ingredients that are naturally derived, low-irritation, biodegradable, skin- and eco-friendly, and backed by narratives of high-end efficacy.

Mannosylerythritol lipids (MELs) represent a niche segment within the biosurfactant industry characterized by high technical barriers, limited commercial scale, yet strong growth potential. With global sales volume estimated at approximately 240 tons in 2025, demand is concentrated in high-end cosmetics, personal care, agricultural adjuvants, research reagents, and specialized cleaning formulations. Although MELs are significantly more expensive than traditional petrochemical surfactants?making immediate entry into the mass-market detergent and low-cost cleaning product sectors difficult?their mildness, moisturizing properties, skin compatibility, biodegradability, wetting/spreading capabilities, and self-assembly characteristics offer distinct advantages in low-dosage, high-value-added applications. Over the next two to five years, industry growth will hinge on improvements in fermentation yields, reductions in downstream purification costs, progress in customer validation within the cosmetics and agricultural adjuvant sectors, and the ability to utilize waste-based substrates. On the supply side, the market is currently dominated by a handful of Japanese and European companies alongside R&D-focused firms; the number of genuine global commercial producers remains limited, and the industry chain has not yet evolved into a landscape of mass-market competition. Driven by trends such as green chemistry,

biomanufacturing, pesticide reduction, natural skincare, and sustainable cleaning, MELs are poised to transition from the research and high-end sampling markets toward the market for formulation-grade ingredients. Overall, while the industry is unlikely to see rapid volume expansion in the short term, it holds significant potential for value appreciation in high-end cosmetics, agricultural adjuvants, and green materials. Future competition will shift from the mere capability to produce MELs to the ability to ensure stable, low-cost production, provide necessary regulatory documentation, achieve application validation, and co-develop mature formulations with downstream customers.

LP Information, Inc. (LPI) ' newest research report, the "Mannosylerythritol Lipids (MELs) Industry Forecast" looks at past sales and reviews total world Mannosylerythritol Lipids (MELs) sales in 2025, providing a comprehensive analysis by region and market sector of projected Mannosylerythritol Lipids (MELs) sales for 2026 through 2032. With Mannosylerythritol Lipids (MELs) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Mannosylerythritol Lipids (MELs) industry.

This Insight Report provides a comprehensive analysis of the global Mannosylerythritol Lipids (MELs) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Mannosylerythritol Lipids (MELs) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Mannosylerythritol Lipids (MELs) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Mannosylerythritol Lipids (MELs) and breaks down the forecast by Composition, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Mannosylerythritol Lipids (MELs).

This report presents a comprehensive overview, market shares, and growth opportunities of Mannosylerythritol Lipids (MELs) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Composition:

Composition 50%

Composition 95%

Segmentation by Acetylation Pattern:

Type MEL-A

Type MEL-B

Type MEL-C

Type MEL-D

Segmentation by Fatty Acid Chain Length:

Short-Chain Acyl Type

Medium-Chain Acyl Type

Mono-Acyl Type

Di-Acyl Type

Tri- Or Poly-Acyl Type

Segmentation by Application:

Medical

Personal Care & Household Products

Food

Agriculture

Ecological Restoration

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Toyobo Corporation (JP)

Shanghai Qianyida Biotechnology Co., Ltd. (CN)

Key Questions Addressed in this Report

What is the 10-year outlook for the global Mannosylerythritol Lipids (MELs) market?

What factors are driving Mannosylerythritol Lipids (MELs) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Mannosylerythritol Lipids (MELs) market opportunities vary by end market size?

How does Mannosylerythritol Lipids (MELs) break out by Composition, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Mannosylerythritol Lipids (MELs) Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Mannosylerythritol Lipids (MELs) by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Mannosylerythritol Lipids (MELs) by Country/Region, 2021, 2025 & 2032
- 2.2 Mannosylerythritol Lipids (MELs) Segment by Composition
 - 2.2.1 Composition 50%
 - 2.2.2 Composition 95%
 - 2.2.3 Mannosylerythritol Lipids (MELs) Sales by Composition
 - 2.2.3.1 Global Mannosylerythritol Lipids (MELs) Sales Market Share by Composition (2021-2026)
 - 2.2.3.2 Global Mannosylerythritol Lipids (MELs) Revenue and Market Share by Composition (2021-2026)
 - 2.2.3.3 Global Mannosylerythritol Lipids (MELs) Sale Price by Composition (2021-2026)
- 2.3 Mannosylerythritol Lipids (MELs) Segment by Acetylation Pattern
 - 2.3.1 Type MEL-A
 - 2.3.2 Type MEL-B
 - 2.3.3 Type MEL-C
 - 2.3.4 Type MEL-D
 - 2.3.5 Mannosylerythritol Lipids (MELs) Sales by Acetylation Pattern
 - 2.3.5.1 Global Mannosylerythritol Lipids (MELs) Sales Market Share by Acetylation Pattern (2021-2026)

2.3.5.2 Global Mannosylerythritol Lipids (MELs) Revenue and Market Share by Acetylation Pattern (2021-2026)

2.3.5.3 Global Mannosylerythritol Lipids (MELs) Sale Price by Acetylation Pattern (2021-2026)

2.4 Mannosylerythritol Lipids (MELs) Segment by Fatty Acid Chain Length

2.4.1 Short-Chain Acyl Type

2.4.2 Medium-Chain Acyl Type

2.4.3 Mono-Acyl Type

2.4.4 Di-Acyl Type

2.4.5 Tri- Or Poly-Acyl Type

2.4.6 Mannosylerythritol Lipids (MELs) Sales by Fatty Acid Chain Length

2.4.6.1 Global Mannosylerythritol Lipids (MELs) Sales Market Share by Fatty Acid Chain Length (2021-2026)

2.4.6.2 Global Mannosylerythritol Lipids (MELs) Revenue and Market Share by Fatty Acid Chain Length (2021-2026)

2.4.6.3 Global Mannosylerythritol Lipids (MELs) Sale Price by Fatty Acid Chain Length (2021-2026)

2.5 Mannosylerythritol Lipids (MELs) Segment by Application

2.5.1 Medical

2.5.2 Personal Care & Household Products

2.5.3 Food

2.5.4 Agriculture

2.5.5 Ecological Restoration

2.5.6 Other

2.5.7 Mannosylerythritol Lipids (MELs) Sales by Application

2.5.7.1 Global Mannosylerythritol Lipids (MELs) Sale Market Share by Application (2021-2026)

2.5.7.2 Global Mannosylerythritol Lipids (MELs) Revenue and Market Share by Application (2021-2026)

2.5.7.3 Global Mannosylerythritol Lipids (MELs) Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Mannosylerythritol Lipids (MELs) Breakdown Data by Company

3.1.1 Global Mannosylerythritol Lipids (MELs) Annual Sales by Company (2021-2026)

3.1.2 Global Mannosylerythritol Lipids (MELs) Sales Market Share by Company (2021-2026)

3.2 Global Mannosylerythritol Lipids (MELs) Annual Revenue by Company (2021-2026)

- 3.2.1 Global Mannosylerythritol Lipids (MELs) Revenue by Company (2021-2026)
- 3.2.2 Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Company (2021-2026)
- 3.3 Global Mannosylerythritol Lipids (MELs) Sale Price by Company
- 3.4 Key Manufacturers Mannosylerythritol Lipids (MELs) Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Mannosylerythritol Lipids (MELs) Product Location Distribution
 - 3.4.2 Players Mannosylerythritol Lipids (MELs) Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR MANNOSYLERYTHRITOL LIPIDS (MELS) BY GEOGRAPHIC REGION

- 4.1 World Historic Mannosylerythritol Lipids (MELs) Market Size by Geographic Region (2021-2026)
 - 4.1.1 Global Mannosylerythritol Lipids (MELs) Annual Sales by Geographic Region (2021-2026)
 - 4.1.2 Global Mannosylerythritol Lipids (MELs) Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Mannosylerythritol Lipids (MELs) Market Size by Country/Region (2021-2026)
 - 4.2.1 Global Mannosylerythritol Lipids (MELs) Annual Sales by Country/Region (2021-2026)
 - 4.2.2 Global Mannosylerythritol Lipids (MELs) Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Mannosylerythritol Lipids (MELs) Sales Growth
- 4.4 APAC Mannosylerythritol Lipids (MELs) Sales Growth
- 4.5 Europe Mannosylerythritol Lipids (MELs) Sales Growth
- 4.6 Middle East & Africa Mannosylerythritol Lipids (MELs) Sales Growth

5 AMERICAS

- 5.1 Americas Mannosylerythritol Lipids (MELs) Sales by Country
 - 5.1.1 Americas Mannosylerythritol Lipids (MELs) Sales by Country (2021-2026)

- 5.1.2 Americas Mannosylerythritol Lipids (MELs) Revenue by Country (2021-2026)
- 5.2 Americas Mannosylerythritol Lipids (MELs) Sales by Composition (2021-2026)
- 5.3 Americas Mannosylerythritol Lipids (MELs) Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Mannosylerythritol Lipids (MELs) Sales by Region
 - 6.1.1 APAC Mannosylerythritol Lipids (MELs) Sales by Region (2021-2026)
 - 6.1.2 APAC Mannosylerythritol Lipids (MELs) Revenue by Region (2021-2026)
- 6.2 APAC Mannosylerythritol Lipids (MELs) Sales by Composition (2021-2026)
- 6.3 APAC Mannosylerythritol Lipids (MELs) Sales by Application (2021-2026)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Mannosylerythritol Lipids (MELs) by Country
 - 7.1.1 Europe Mannosylerythritol Lipids (MELs) Sales by Country (2021-2026)
 - 7.1.2 Europe Mannosylerythritol Lipids (MELs) Revenue by Country (2021-2026)
- 7.2 Europe Mannosylerythritol Lipids (MELs) Sales by Composition (2021-2026)
- 7.3 Europe Mannosylerythritol Lipids (MELs) Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Mannosylerythritol Lipids (MELs) by Country

8.1.1 Middle East & Africa Mannosylerythritol Lipids (MELs) Sales by Country (2021-2026)

8.1.2 Middle East & Africa Mannosylerythritol Lipids (MELs) Revenue by Country (2021-2026)

8.2 Middle East & Africa Mannosylerythritol Lipids (MELs) Sales by Composition (2021-2026)

8.3 Middle East & Africa Mannosylerythritol Lipids (MELs) Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Mannosylerythritol Lipids (MELs)

10.3 Manufacturing Process Analysis of Mannosylerythritol Lipids (MELs)

10.4 Industry Chain Structure of Mannosylerythritol Lipids (MELs)

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Mannosylerythritol Lipids (MELs) Distributors

11.3 Mannosylerythritol Lipids (MELs) Customer

12 WORLD FORECAST REVIEW FOR MANNOSYLERYTHRITOL LIPIDS (MELS) BY GEOGRAPHIC REGION

12.1 Global Mannosylerythritol Lipids (MELs) Market Size Forecast by Region

- 12.1.1 Global Mannosylerythritol Lipids (MELs) Forecast by Region (2027-2032)
- 12.1.2 Global Mannosylerythritol Lipids (MELs) Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global Mannosylerythritol Lipids (MELs) Forecast by Composition (2027-2032)
- 12.7 Global Mannosylerythritol Lipids (MELs) Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

- 13.1 Toyobo Corporation (JP)
 - 13.1.1 Toyobo Corporation (JP) Company Information
 - 13.1.2 Toyobo Corporation (JP) Mannosylerythritol Lipids (MELs) Product Portfolios and Specifications
 - 13.1.3 Toyobo Corporation (JP) Mannosylerythritol Lipids (MELs) Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.1.4 Toyobo Corporation (JP) Main Business Overview
 - 13.1.5 Toyobo Corporation (JP) Latest Developments
- 13.2 Shanghai Qianyida Biotechnology Co., Ltd. (CN)
 - 13.2.1 Shanghai Qianyida Biotechnology Co., Ltd. (CN) Company Information
 - 13.2.2 Shanghai Qianyida Biotechnology Co., Ltd. (CN) Mannosylerythritol Lipids (MELs) Product Portfolios and Specifications
 - 13.2.3 Shanghai Qianyida Biotechnology Co., Ltd. (CN) Mannosylerythritol Lipids (MELs) Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.2.4 Shanghai Qianyida Biotechnology Co., Ltd. (CN) Main Business Overview
 - 13.2.5 Shanghai Qianyida Biotechnology Co., Ltd. (CN) Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Mannosylerythritol Lipids (MELs) Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Mannosylerythritol Lipids (MELs) Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Composition 50%

Table 4. Major Players of Composition 95%

Table 5. Global Mannosylerythritol Lipids (MELs) Sales by Composition (2021-2026) & (Tons)

Table 6. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Composition (2021-2026)

Table 7. Global Mannosylerythritol Lipids (MELs) Revenue by Composition (2021-2026) & (\$ million)

Table 8. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Composition (2021-2026)

Table 9. Global Mannosylerythritol Lipids (MELs) Sale Price by Composition (2021-2026) & (USD/Kg)

Table 10. Major Players of Type MEL-A

Table 11. Major Players of Type MEL-B

Table 12. Major Players of Type MEL-C

Table 13. Major Players of Type MEL-D

Table 14. Global Mannosylerythritol Lipids (MELs) Sales by Acetylation Pattern (2021-2026) & (Tons)

Table 15. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Acetylation Pattern (2021-2026)

Table 16. Global Mannosylerythritol Lipids (MELs) Revenue by Acetylation Pattern (2021-2026) & (\$ million)

Table 17. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Acetylation Pattern (2021-2026)

Table 18. Global Mannosylerythritol Lipids (MELs) Sale Price by Acetylation Pattern (2021-2026) & (USD/Kg)

Table 19. Major Players of Short-Chain Acyl Type

Table 20. Major Players of Medium-Chain Acyl Type

Table 21. Major Players of Mono-Acyl Type

Table 22. Major Players of Di-Acyl Type

Table 23. Major Players of Tri- Or Poly-Acyl Type

Table 24. Global Mannosylerythritol Lipids (MELs) Sales by Fatty Acid Chain Length (2021-2026) & (Tons)

Table 25. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Fatty Acid Chain Length (2021-2026)

Table 26. Global Mannosylerythritol Lipids (MELs) Revenue by Fatty Acid Chain Length (2021-2026) & (\$ million)

Table 27. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Fatty Acid Chain Length (2021-2026)

Table 28. Global Mannosylerythritol Lipids (MELs) Sale Price by Fatty Acid Chain Length (2021-2026) & (USD/Kg)

Table 29. Global Mannosylerythritol Lipids (MELs) Sale by Application (2021-2026) & (Tons)

Table 30. Global Mannosylerythritol Lipids (MELs) Sale Market Share by Application (2021-2026)

Table 31. Global Mannosylerythritol Lipids (MELs) Revenue by Application (2021-2026) & (\$ million)

Table 32. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Application (2021-2026)

Table 33. Global Mannosylerythritol Lipids (MELs) Sale Price by Application (2021-2026) & (USD/Kg)

Table 34. Global Mannosylerythritol Lipids (MELs) Sales by Company (2021-2026) & (Tons)

Table 35. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Company (2021-2026)

Table 36. Global Mannosylerythritol Lipids (MELs) Revenue by Company (2021-2026) & (\$ millions)

Table 37. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Company (2021-2026)

Table 38. Global Mannosylerythritol Lipids (MELs) Sale Price by Company (2021-2026) & (USD/Kg)

Table 39. Key Manufacturers Mannosylerythritol Lipids (MELs) Producing Area Distribution and Sales Area

Table 40. Players Mannosylerythritol Lipids (MELs) Products Offered

Table 41. Mannosylerythritol Lipids (MELs) Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 42. New Products and Potential Entrants

Table 43. Market M&A Activity & Strategy

Table 44. Global Mannosylerythritol Lipids (MELs) Sales by Geographic Region (2021-2026) & (Tons)

Table 45. Global Mannosylerythritol Lipids (MELs) Sales Market Share Geographic Region (2021-2026)

Table 46. Global Mannosylerythritol Lipids (MELs) Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 47. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Geographic Region (2021-2026)

Table 48. Global Mannosylerythritol Lipids (MELs) Sales by Country/Region (2021-2026) & (Tons)

Table 49. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Country/Region (2021-2026)

Table 50. Global Mannosylerythritol Lipids (MELs) Revenue by Country/Region (2021-2026) & (\$ millions)

Table 51. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Country/Region (2021-2026)

Table 52. Americas Mannosylerythritol Lipids (MELs) Sales by Country (2021-2026) & (Tons)

Table 53. Americas Mannosylerythritol Lipids (MELs) Sales Market Share by Country (2021-2026)

Table 54. Americas Mannosylerythritol Lipids (MELs) Revenue by Country (2021-2026) & (\$ millions)

Table 55. Americas Mannosylerythritol Lipids (MELs) Sales by Composition (2021-2026) & (Tons)

Table 56. Americas Mannosylerythritol Lipids (MELs) Sales by Application (2021-2026) & (Tons)

Table 57. APAC Mannosylerythritol Lipids (MELs) Sales by Region (2021-2026) & (Tons)

Table 58. APAC Mannosylerythritol Lipids (MELs) Sales Market Share by Region (2021-2026)

Table 59. APAC Mannosylerythritol Lipids (MELs) Revenue by Region (2021-2026) & (\$ millions)

Table 60. APAC Mannosylerythritol Lipids (MELs) Sales by Composition (2021-2026) & (Tons)

Table 61. APAC Mannosylerythritol Lipids (MELs) Sales by Application (2021-2026) & (Tons)

Table 62. Europe Mannosylerythritol Lipids (MELs) Sales by Country (2021-2026) & (Tons)

Table 63. Europe Mannosylerythritol Lipids (MELs) Revenue by Country (2021-2026) & (\$ millions)

Table 64. Europe Mannosylerythritol Lipids (MELs) Sales by Composition (2021-2026)

& (Tons)

Table 65. Europe Mannosylerythritol Lipids (MELs) Sales by Application (2021-2026) & (Tons)

Table 66. Middle East & Africa Mannosylerythritol Lipids (MELs) Sales by Country (2021-2026) & (Tons)

Table 67. Middle East & Africa Mannosylerythritol Lipids (MELs) Revenue Market Share by Country (2021-2026)

Table 68. Middle East & Africa Mannosylerythritol Lipids (MELs) Sales by Composition (2021-2026) & (Tons)

Table 69. Middle East & Africa Mannosylerythritol Lipids (MELs) Sales by Application (2021-2026) & (Tons)

Table 70. Key Market Drivers & Growth Opportunities of Mannosylerythritol Lipids (MELs)

Table 71. Key Market Challenges & Risks of Mannosylerythritol Lipids (MELs)

Table 72. Key Industry Trends of Mannosylerythritol Lipids (MELs)

Table 73. Mannosylerythritol Lipids (MELs) Raw Material

Table 74. Key Suppliers of Raw Materials

Table 75. Mannosylerythritol Lipids (MELs) Distributors List

Table 76. Mannosylerythritol Lipids (MELs) Customer List

Table 77. Global Mannosylerythritol Lipids (MELs) Sales Forecast by Region (2027-2032) & (Tons)

Table 78. Global Mannosylerythritol Lipids (MELs) Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 79. Americas Mannosylerythritol Lipids (MELs) Sales Forecast by Country (2027-2032) & (Tons)

Table 80. Americas Mannosylerythritol Lipids (MELs) Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 81. APAC Mannosylerythritol Lipids (MELs) Sales Forecast by Region (2027-2032) & (Tons)

Table 82. APAC Mannosylerythritol Lipids (MELs) Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 83. Europe Mannosylerythritol Lipids (MELs) Sales Forecast by Country (2027-2032) & (Tons)

Table 84. Europe Mannosylerythritol Lipids (MELs) Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 85. Middle East & Africa Mannosylerythritol Lipids (MELs) Sales Forecast by Country (2027-2032) & (Tons)

Table 86. Middle East & Africa Mannosylerythritol Lipids (MELs) Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 87. Global Mannosylerythritol Lipids (MELs) Sales Forecast by Composition (2027-2032) & (Tons)

Table 88. Global Mannosylerythritol Lipids (MELs) Revenue Forecast by Composition (2027-2032) & (\$ millions)

Table 89. Global Mannosylerythritol Lipids (MELs) Sales Forecast by Application (2027-2032) & (Tons)

Table 90. Global Mannosylerythritol Lipids (MELs) Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 91. Toyobo Corporation (JP) Basic Information, Mannosylerythritol Lipids (MELs) Manufacturing Base, Sales Area and Its Competitors

Table 92. Toyobo Corporation (JP) Mannosylerythritol Lipids (MELs) Product Portfolios and Specifications

Table 93. Toyobo Corporation (JP) Mannosylerythritol Lipids (MELs) Sales (Tons), Revenue (\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)

Table 94. Toyobo Corporation (JP) Main Business

Table 95. Toyobo Corporation (JP) Latest Developments

Table 96. Shanghai Qianyida Biotechnology Co., Ltd. (CN) Basic Information, Mannosylerythritol Lipids (MELs) Manufacturing Base, Sales Area and Its Competitors

Table 97. Shanghai Qianyida Biotechnology Co., Ltd. (CN) Mannosylerythritol Lipids (MELs) Product Portfolios and Specifications

Table 98. Shanghai Qianyida Biotechnology Co., Ltd. (CN) Mannosylerythritol Lipids (MELs) Sales (Tons), Revenue (\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)

Table 99. Shanghai Qianyida Biotechnology Co., Ltd. (CN) Main Business

Table 100. Shanghai Qianyida Biotechnology Co., Ltd. (CN) Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Mannosylerythritol Lipids (MELs)
- Figure 2. Mannosylerythritol Lipids (MELs) Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Mannosylerythritol Lipids (MELs) Sales Growth Rate 2021-2032 (Tons)
- Figure 7. Global Mannosylerythritol Lipids (MELs) Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Mannosylerythritol Lipids (MELs) Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Mannosylerythritol Lipids (MELs) Sales Market Share by Country/Region (2025)
- Figure 10. Mannosylerythritol Lipids (MELs) Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Composition 50%
- Figure 12. Product Picture of Composition 95%
- Figure 13. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Composition in 2026
- Figure 14. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Composition (2021-2026)
- Figure 15. Product Picture of Type MEL-A
- Figure 16. Product Picture of Type MEL-B
- Figure 17. Product Picture of Type MEL-C
- Figure 18. Product Picture of Type MEL-D
- Figure 19. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Acetylation Pattern in 2026
- Figure 20. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Acetylation Pattern (2021-2026)
- Figure 21. Product Picture of Short-Chain Acyl Type
- Figure 22. Product Picture of Medium-Chain Acyl Type
- Figure 23. Product Picture of Mono-Acyl Type
- Figure 24. Product Picture of Di-Acyl Type
- Figure 25. Product Picture of Tri- Or Poly-Acyl Type
- Figure 26. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Fatty Acid Chain Length in 2026

Figure 27. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Fatty Acid Chain Length (2021-2026)

Figure 28. Mannosylerythritol Lipids (MELs) Consumed in Medical

Figure 29. Global Mannosylerythritol Lipids (MELs) Market: Medical (2021-2026) & (Tons)

Figure 30. Mannosylerythritol Lipids (MELs) Consumed in Personal Care & Household Products

Figure 31. Global Mannosylerythritol Lipids (MELs) Market: Personal Care & Household Products (2021-2026) & (Tons)

Figure 32. Mannosylerythritol Lipids (MELs) Consumed in Food

Figure 33. Global Mannosylerythritol Lipids (MELs) Market: Food (2021-2026) & (Tons)

Figure 34. Mannosylerythritol Lipids (MELs) Consumed in Agriculture

Figure 35. Global Mannosylerythritol Lipids (MELs) Market: Agriculture (2021-2026) & (Tons)

Figure 36. Mannosylerythritol Lipids (MELs) Consumed in Ecological Restoration

Figure 37. Global Mannosylerythritol Lipids (MELs) Market: Ecological Restoration (2021-2026) & (Tons)

Figure 38. Mannosylerythritol Lipids (MELs) Consumed in Other

Figure 39. Global Mannosylerythritol Lipids (MELs) Market: Other (2021-2026) & (Tons)

Figure 40. Global Mannosylerythritol Lipids (MELs) Sale Market Share by Application (2025)

Figure 41. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Application in 2025

Figure 42. Mannosylerythritol Lipids (MELs) Sales by Company in 2025 (Tons)

Figure 43. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Company in 2025

Figure 44. Mannosylerythritol Lipids (MELs) Revenue by Company in 2025 (\$ millions)

Figure 45. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Company in 2025

Figure 46. Global Mannosylerythritol Lipids (MELs) Sales Market Share by Geographic Region (2021-2026)

Figure 47. Global Mannosylerythritol Lipids (MELs) Revenue Market Share by Geographic Region in 2025

Figure 48. Americas Mannosylerythritol Lipids (MELs) Sales 2021-2026 (Tons)

Figure 49. Americas Mannosylerythritol Lipids (MELs) Revenue 2021-2026 (\$ millions)

Figure 50. APAC Mannosylerythritol Lipids (MELs) Sales 2021-2026 (Tons)

Figure 51. APAC Mannosylerythritol Lipids (MELs) Revenue 2021-2026 (\$ millions)

Figure 52. Europe Mannosylerythritol Lipids (MELs) Sales 2021-2026 (Tons)

Figure 53. Europe Mannosylerythritol Lipids (MELs) Revenue 2021-2026 (\$ millions)

Figure 54. Middle East & Africa Mannosylerythritol Lipids (MELs) Sales 2021-2026 (Tons)

Figure 55. Middle East & Africa Mannosylerythritol Lipids (MELs) Revenue 2021-2026 (\$ millions)

Figure 56. Americas Mannosylerythritol Lipids (MELs) Sales Market Share by Country in 2025

Figure 57. Americas Mannosylerythritol Lipids (MELs) Revenue Market Share by Country (2021-2026)

Figure 58. Americas Mannosylerythritol Lipids (MELs) Sales Market Share by Composition (2021-2026)

Figure 59. Americas Mannosylerythritol Lipids (MELs) Sales Market Share by Application (2021-2026)

Figure 60. United States Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 61. Canada Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 62. Mexico Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 63. Brazil Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 64. APAC Mannosylerythritol Lipids (MELs) Sales Market Share by Region in 2025

Figure 65. APAC Mannosylerythritol Lipids (MELs) Revenue Market Share by Region (2021-2026)

Figure 66. APAC Mannosylerythritol Lipids (MELs) Sales Market Share by Composition (2021-2026)

Figure 67. APAC Mannosylerythritol Lipids (MELs) Sales Market Share by Application (2021-2026)

Figure 68. China Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 69. Japan Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 70. South Korea Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 71. Southeast Asia Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 72. India Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 73. Australia Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$

millions)

Figure 74. China Taiwan Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 75. Europe Mannosylerythritol Lipids (MELs) Sales Market Share by Country in 2025

Figure 76. Europe Mannosylerythritol Lipids (MELs) Revenue Market Share by Country (2021-2026)

Figure 77. Europe Mannosylerythritol Lipids (MELs) Sales Market Share by Composition (2021-2026)

Figure 78. Europe Mannosylerythritol Lipids (MELs) Sales Market Share by Application (2021-2026)

Figure 79. Germany Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 80. France Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 81. UK Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 82. Italy Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 83. Russia Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 84. Middle East & Africa Mannosylerythritol Lipids (MELs) Sales Market Share by Country (2021-2026)

Figure 85. Middle East & Africa Mannosylerythritol Lipids (MELs) Sales Market Share by Composition (2021-2026)

Figure 86. Middle East & Africa Mannosylerythritol Lipids (MELs) Sales Market Share by Application (2021-2026)

Figure 87. Egypt Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 88. South Africa Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 89. Israel Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 90. Turkey Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 91. GCC Countries Mannosylerythritol Lipids (MELs) Revenue Growth 2021-2026 (\$ millions)

Figure 92. Manufacturing Cost Structure Analysis of Mannosylerythritol Lipids (MELs) in 2026

Figure 93. Manufacturing Process Analysis of Mannosylerythritol Lipids (MELs)

Figure 94. Industry Chain Structure of Mannosylerythritol Lipids (MELs)

Figure 95. Channels of Distribution

Figure 96. Global Mannosylerythritol Lipids (MELs) Sales Market Forecast by Region (2027-2032)

Figure 97. Global Mannosylerythritol Lipids (MELs) Revenue Market Share Forecast by Region (2027-2032)

Figure 98. Global Mannosylerythritol Lipids (MELs) Sales Market Share Forecast by Composition (2027-2032)

Figure 99. Global Mannosylerythritol Lipids (MELs) Revenue Market Share Forecast by Composition (2027-2032)

Figure 100. Global Mannosylerythritol Lipids (MELs) Sales Market Share Forecast by Application (2027-2032)

Figure 101. Global Mannosylerythritol Lipids (MELs) Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Mannosylerythritol Lipids (MELs) Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/GA7C88B012CBEN.html>

Price: US\$ 3,660.00 (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/GA7C88B012CBEN.html>