

Global Technical Enzymes Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G8C4D19D1E0EN.html>

Date: June 2025

Pages: 91

Price: US\$ 3,480.00 (Single User License)

ID: G8C4D19D1E0EN

Abstracts

According to our (Global Info Research) latest study, the global Technical Enzymes market size was valued at US\$ 2489 million in 2024 and is forecast to a readjusted size of USD 2716 million by 2031 with a CAGR of 1.3% during review period.

Enzymes are protein molecules functioning as specialized catalysts for chemical reactions. They have contributed greatly to the traditional and modern chemical industry by improving existing processes.

Technical enzymes are typically used as bulk enzymes in textile, pulp and paper industries, organic synthesis and biofuels industry.

Global Technical Enzymes key players include Novozymes, DuPont, BASF, Associated British Foods, etc. Global top four manufacturers hold a share about 85%.

Europe is the largest market, with a share over 45%, followed by North America and China, both have a share over 35 percent.

In terms of product, Amylases is the largest segment, with a share about 37%. And in terms of application, the largest application is Detergents, followed by Bioethanol, Paper & Pulp, Textile & Leather, etc.

This report is a detailed and comprehensive analysis for global Technical Enzymes 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 Technical Enzymes market size and forecasts, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2020-2031

Global Technical Enzymes market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2020-2031

Global Technical Enzymes market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2020-2031

Global Technical Enzymes market shares of main players, shipments in revenue (\$ Million), sales quantity (K MT), and ASP (USD/MT), 2020-2025

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 Technical Enzymes

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 Technical Enzymes 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 Novozymes, DuPont, BASF, Associated British Foods, DSM, VTR Bio-Tech, Advanced Enzyme Technologies, SunHY, MAPS Enzyme, etc.

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

Market Segmentation

Technical Enzymes market is split by Type and by Application. For the period 2020-2031, 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

- Amylases
- Cellulases

- Proteases
- Lipases
- Other

Market segment by Application

- Detergents
- Bioethanol
- Paper & Pulp
- Textile & Leather
- Other

Major players covered

- Novozymes
- DuPont
- BASF
- Associated British Foods
- DSM
- VTR Bio-Tech
- Advanced Enzyme Technologies
- SunHY
- MAPS Enzyme

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 Technical Enzymes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Technical Enzymes, with price, sales quantity, revenue, and global market share of Technical Enzymes from 2020 to 2025.

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

Chapter 4, the Technical Enzymes breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Technical Enzymes market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Technical Enzymes.

Chapter 14 and 15, to describe Technical Enzymes sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Technical Enzymes Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Amylases

1.3.3 Cellulases

1.3.4 Proteases

1.3.5 Lipases

1.3.6 Other

1.4 Market Analysis by Application

1.4.1 Overview: Global Technical Enzymes Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Detergents

1.4.3 Bioethanol

1.4.4 Paper & Pulp

1.4.5 Textile & Leather

1.4.6 Other

1.5 Global Technical Enzymes Market Size & Forecast

1.5.1 Global Technical Enzymes Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Technical Enzymes Sales Quantity (2020-2031)

1.5.3 Global Technical Enzymes Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Novozymes

2.1.1 Novozymes Details

2.1.2 Novozymes Major Business

2.1.3 Novozymes Technical Enzymes Product and Services

2.1.4 Novozymes Technical Enzymes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Novozymes Recent Developments/Updates

2.2 DuPont

2.2.1 DuPont Details

2.2.2 DuPont Major Business

- 2.2.3 DuPont Technical Enzymes Product and Services
- 2.2.4 DuPont Technical Enzymes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.2.5 DuPont Recent Developments/Updates
- 2.3 BASF
 - 2.3.1 BASF Details
 - 2.3.2 BASF Major Business
 - 2.3.3 BASF Technical Enzymes Product and Services
 - 2.3.4 BASF Technical Enzymes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.3.5 BASF Recent Developments/Updates
- 2.4 Associated British Foods
 - 2.4.1 Associated British Foods Details
 - 2.4.2 Associated British Foods Major Business
 - 2.4.3 Associated British Foods Technical Enzymes Product and Services
 - 2.4.4 Associated British Foods Technical Enzymes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 Associated British Foods Recent Developments/Updates
- 2.5 DSM
 - 2.5.1 DSM Details
 - 2.5.2 DSM Major Business
 - 2.5.3 DSM Technical Enzymes Product and Services
 - 2.5.4 DSM Technical Enzymes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 DSM Recent Developments/Updates
- 2.6 VTR Bio-Tech
 - 2.6.1 VTR Bio-Tech Details
 - 2.6.2 VTR Bio-Tech Major Business
 - 2.6.3 VTR Bio-Tech Technical Enzymes Product and Services
 - 2.6.4 VTR Bio-Tech Technical Enzymes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 VTR Bio-Tech Recent Developments/Updates
- 2.7 Advanced Enzyme Technologies
 - 2.7.1 Advanced Enzyme Technologies Details
 - 2.7.2 Advanced Enzyme Technologies Major Business
 - 2.7.3 Advanced Enzyme Technologies Technical Enzymes Product and Services
 - 2.7.4 Advanced Enzyme Technologies Technical Enzymes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.7.5 Advanced Enzyme Technologies Recent Developments/Updates

2.8 SunHY

2.8.1 SunHY Details

2.8.2 SunHY Major Business

2.8.3 SunHY Technical Enzymes Product and Services

2.8.4 SunHY Technical Enzymes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 SunHY Recent Developments/Updates

2.9 MAPS Enzyme

2.9.1 MAPS Enzyme Details

2.9.2 MAPS Enzyme Major Business

2.9.3 MAPS Enzyme Technical Enzymes Product and Services

2.9.4 MAPS Enzyme Technical Enzymes Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 MAPS Enzyme Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: TECHNICAL ENZYMES BY MANUFACTURER

3.1 Global Technical Enzymes Sales Quantity by Manufacturer (2020-2025)

3.2 Global Technical Enzymes Revenue by Manufacturer (2020-2025)

3.3 Global Technical Enzymes Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Technical Enzymes by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Technical Enzymes Manufacturer Market Share in 2024

3.4.3 Top 6 Technical Enzymes Manufacturer Market Share in 2024

3.5 Technical Enzymes Market: Overall Company Footprint Analysis

3.5.1 Technical Enzymes Market: Region Footprint

3.5.2 Technical Enzymes Market: Company Product Type Footprint

3.5.3 Technical Enzymes Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Technical Enzymes Market Size by Region

4.1.1 Global Technical Enzymes Sales Quantity by Region (2020-2031)

4.1.2 Global Technical Enzymes Consumption Value by Region (2020-2031)

4.1.3 Global Technical Enzymes Average Price by Region (2020-2031)

4.2 North America Technical Enzymes Consumption Value (2020-2031)

- 4.3 Europe Technical Enzymes Consumption Value (2020-2031)
- 4.4 Asia-Pacific Technical Enzymes Consumption Value (2020-2031)
- 4.5 South America Technical Enzymes Consumption Value (2020-2031)
- 4.6 Middle East & Africa Technical Enzymes Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Technical Enzymes Sales Quantity by Type (2020-2031)
- 5.2 Global Technical Enzymes Consumption Value by Type (2020-2031)
- 5.3 Global Technical Enzymes Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Technical Enzymes Sales Quantity by Application (2020-2031)
- 6.2 Global Technical Enzymes Consumption Value by Application (2020-2031)
- 6.3 Global Technical Enzymes Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Technical Enzymes Sales Quantity by Type (2020-2031)
- 7.2 North America Technical Enzymes Sales Quantity by Application (2020-2031)
- 7.3 North America Technical Enzymes Market Size by Country
 - 7.3.1 North America Technical Enzymes Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Technical Enzymes Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Technical Enzymes Sales Quantity by Type (2020-2031)
- 8.2 Europe Technical Enzymes Sales Quantity by Application (2020-2031)
- 8.3 Europe Technical Enzymes Market Size by Country
 - 8.3.1 Europe Technical Enzymes Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Technical Enzymes Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
 - 8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Technical Enzymes Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Technical Enzymes Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Technical Enzymes Market Size by Region

9.3.1 Asia-Pacific Technical Enzymes Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Technical Enzymes Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Technical Enzymes Sales Quantity by Type (2020-2031)

10.2 South America Technical Enzymes Sales Quantity by Application (2020-2031)

10.3 South America Technical Enzymes Market Size by Country

10.3.1 South America Technical Enzymes Sales Quantity by Country (2020-2031)

10.3.2 South America Technical Enzymes Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Technical Enzymes Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Technical Enzymes Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Technical Enzymes Market Size by Country

11.3.1 Middle East & Africa Technical Enzymes Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Technical Enzymes Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 Technical Enzymes Market Drivers
- 12.2 Technical Enzymes Market Restraints
- 12.3 Technical Enzymes Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Technical Enzymes and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Technical Enzymes
- 13.3 Technical Enzymes Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Technical Enzymes Typical Distributors
- 14.3 Technical Enzymes Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Technical Enzymes Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Technical Enzymes Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Novozymes Basic Information, Manufacturing Base and Competitors

Table 4. Novozymes Major Business

Table 5. Novozymes Technical Enzymes Product and Services

Table 6. Novozymes Technical Enzymes Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Novozymes Recent Developments/Updates

Table 8. DuPont Basic Information, Manufacturing Base and Competitors

Table 9. DuPont Major Business

Table 10. DuPont Technical Enzymes Product and Services

Table 11. DuPont Technical Enzymes Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. DuPont Recent Developments/Updates

Table 13. BASF Basic Information, Manufacturing Base and Competitors

Table 14. BASF Major Business

Table 15. BASF Technical Enzymes Product and Services

Table 16. BASF Technical Enzymes Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. BASF Recent Developments/Updates

Table 18. Associated British Foods Basic Information, Manufacturing Base and Competitors

Table 19. Associated British Foods Major Business

Table 20. Associated British Foods Technical Enzymes Product and Services

Table 21. Associated British Foods Technical Enzymes Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Associated British Foods Recent Developments/Updates

Table 23. DSM Basic Information, Manufacturing Base and Competitors

Table 24. DSM Major Business

Table 25. DSM Technical Enzymes Product and Services

Table 26. DSM Technical Enzymes Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. DSM Recent Developments/Updates

Table 28. VTR Bio-Tech Basic Information, Manufacturing Base and Competitors

Table 29. VTR Bio-Tech Major Business

Table 30. VTR Bio-Tech Technical Enzymes Product and Services

Table 31. VTR Bio-Tech Technical Enzymes Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. VTR Bio-Tech Recent Developments/Updates

Table 33. Advanced Enzyme Technologies Basic Information, Manufacturing Base and Competitors

Table 34. Advanced Enzyme Technologies Major Business

Table 35. Advanced Enzyme Technologies Technical Enzymes Product and Services

Table 36. Advanced Enzyme Technologies Technical Enzymes Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Advanced Enzyme Technologies Recent Developments/Updates

Table 38. SunHY Basic Information, Manufacturing Base and Competitors

Table 39. SunHY Major Business

Table 40. SunHY Technical Enzymes Product and Services

Table 41. SunHY Technical Enzymes Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. SunHY Recent Developments/Updates

Table 43. MAPS Enzyme Basic Information, Manufacturing Base and Competitors

Table 44. MAPS Enzyme Major Business

Table 45. MAPS Enzyme Technical Enzymes Product and Services

Table 46. MAPS Enzyme Technical Enzymes Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. MAPS Enzyme Recent Developments/Updates

Table 48. Global Technical Enzymes Sales Quantity by Manufacturer (2020-2025) & (K MT)

Table 49. Global Technical Enzymes Revenue by Manufacturer (2020-2025) & (USD Million)

Table 50. Global Technical Enzymes Average Price by Manufacturer (2020-2025) & (USD/MT)

Table 51. Market Position of Manufacturers in Technical Enzymes, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 52. Head Office and Technical Enzymes Production Site of Key Manufacturer

Table 53. Technical Enzymes Market: Company Product Type Footprint

Table 54. Technical Enzymes Market: Company Product Application Footprint

Table 55. Technical Enzymes New Market Entrants and Barriers to Market Entry

Table 56. Technical Enzymes Mergers, Acquisition, Agreements, and Collaborations

Table 57. Global Technical Enzymes Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 58. Global Technical Enzymes Sales Quantity by Region (2020-2025) & (K MT)

Table 59. Global Technical Enzymes Sales Quantity by Region (2026-2031) & (K MT)

Table 60. Global Technical Enzymes Consumption Value by Region (2020-2025) & (USD Million)

Table 61. Global Technical Enzymes Consumption Value by Region (2026-2031) & (USD Million)

Table 62. Global Technical Enzymes Average Price by Region (2020-2025) & (USD/MT)

Table 63. Global Technical Enzymes Average Price by Region (2026-2031) & (USD/MT)

Table 64. Global Technical Enzymes Sales Quantity by Type (2020-2025) & (K MT)

Table 65. Global Technical Enzymes Sales Quantity by Type (2026-2031) & (K MT)

Table 66. Global Technical Enzymes Consumption Value by Type (2020-2025) & (USD Million)

Table 67. Global Technical Enzymes Consumption Value by Type (2026-2031) & (USD Million)

Table 68. Global Technical Enzymes Average Price by Type (2020-2025) & (USD/MT)

Table 69. Global Technical Enzymes Average Price by Type (2026-2031) & (USD/MT)

Table 70. Global Technical Enzymes Sales Quantity by Application (2020-2025) & (K MT)

Table 71. Global Technical Enzymes Sales Quantity by Application (2026-2031) & (K MT)

Table 72. Global Technical Enzymes Consumption Value by Application (2020-2025) & (USD Million)

Table 73. Global Technical Enzymes Consumption Value by Application (2026-2031) & (USD Million)

Table 74. Global Technical Enzymes Average Price by Application (2020-2025) & (USD/MT)

Table 75. Global Technical Enzymes Average Price by Application (2026-2031) & (USD/MT)

Table 76. North America Technical Enzymes Sales Quantity by Type (2020-2025) & (K MT)

Table 77. North America Technical Enzymes Sales Quantity by Type (2026-2031) & (K MT)

Table 78. North America Technical Enzymes Sales Quantity by Application (2020-2025) & (K MT)

Table 79. North America Technical Enzymes Sales Quantity by Application (2026-2031)

& (K MT)

Table 80. North America Technical Enzymes Sales Quantity by Country (2020-2025) & (K MT)

Table 81. North America Technical Enzymes Sales Quantity by Country (2026-2031) & (K MT)

Table 82. North America Technical Enzymes Consumption Value by Country (2020-2025) & (USD Million)

Table 83. North America Technical Enzymes Consumption Value by Country (2026-2031) & (USD Million)

Table 84. Europe Technical Enzymes Sales Quantity by Type (2020-2025) & (K MT)

Table 85. Europe Technical Enzymes Sales Quantity by Type (2026-2031) & (K MT)

Table 86. Europe Technical Enzymes Sales Quantity by Application (2020-2025) & (K MT)

Table 87. Europe Technical Enzymes Sales Quantity by Application (2026-2031) & (K MT)

Table 88. Europe Technical Enzymes Sales Quantity by Country (2020-2025) & (K MT)

Table 89. Europe Technical Enzymes Sales Quantity by Country (2026-2031) & (K MT)

Table 90. Europe Technical Enzymes Consumption Value by Country (2020-2025) & (USD Million)

Table 91. Europe Technical Enzymes Consumption Value by Country (2026-2031) & (USD Million)

Table 92. Asia-Pacific Technical Enzymes Sales Quantity by Type (2020-2025) & (K MT)

Table 93. Asia-Pacific Technical Enzymes Sales Quantity by Type (2026-2031) & (K MT)

Table 94. Asia-Pacific Technical Enzymes Sales Quantity by Application (2020-2025) & (K MT)

Table 95. Asia-Pacific Technical Enzymes Sales Quantity by Application (2026-2031) & (K MT)

Table 96. Asia-Pacific Technical Enzymes Sales Quantity by Region (2020-2025) & (K MT)

Table 97. Asia-Pacific Technical Enzymes Sales Quantity by Region (2026-2031) & (K MT)

Table 98. Asia-Pacific Technical Enzymes Consumption Value by Region (2020-2025) & (USD Million)

Table 99. Asia-Pacific Technical Enzymes Consumption Value by Region (2026-2031) & (USD Million)

Table 100. South America Technical Enzymes Sales Quantity by Type (2020-2025) & (K MT)

Table 101. South America Technical Enzymes Sales Quantity by Type (2026-2031) & (K MT)

Table 102. South America Technical Enzymes Sales Quantity by Application (2020-2025) & (K MT)

Table 103. South America Technical Enzymes Sales Quantity by Application (2026-2031) & (K MT)

Table 104. South America Technical Enzymes Sales Quantity by Country (2020-2025) & (K MT)

Table 105. South America Technical Enzymes Sales Quantity by Country (2026-2031) & (K MT)

Table 106. South America Technical Enzymes Consumption Value by Country (2020-2025) & (USD Million)

Table 107. South America Technical Enzymes Consumption Value by Country (2026-2031) & (USD Million)

Table 108. Middle East & Africa Technical Enzymes Sales Quantity by Type (2020-2025) & (K MT)

Table 109. Middle East & Africa Technical Enzymes Sales Quantity by Type (2026-2031) & (K MT)

Table 110. Middle East & Africa Technical Enzymes Sales Quantity by Application (2020-2025) & (K MT)

Table 111. Middle East & Africa Technical Enzymes Sales Quantity by Application (2026-2031) & (K MT)

Table 112. Middle East & Africa Technical Enzymes Sales Quantity by Country (2020-2025) & (K MT)

Table 113. Middle East & Africa Technical Enzymes Sales Quantity by Country (2026-2031) & (K MT)

Table 114. Middle East & Africa Technical Enzymes Consumption Value by Country (2020-2025) & (USD Million)

Table 115. Middle East & Africa Technical Enzymes Consumption Value by Country (2026-2031) & (USD Million)

Table 116. Technical Enzymes Raw Material

Table 117. Key Manufacturers of Technical Enzymes Raw Materials

Table 118. Technical Enzymes Typical Distributors

Table 119. Technical Enzymes Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Technical Enzymes Picture

Figure 2. Global Technical Enzymes Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Technical Enzymes Revenue Market Share by Type in 2024

Figure 4. Amylases Examples

Figure 5. Cellulases Examples

Figure 6. Proteases Examples

Figure 7. Lipases Examples

Figure 8. Other Examples

Figure 9. Global Technical Enzymes Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 10. Global Technical Enzymes Revenue Market Share by Application in 2024

Figure 11. Detergents Examples

Figure 12. Bioethanol Examples

Figure 13. Paper & Pulp Examples

Figure 14. Textile & Leather Examples

Figure 15. Other Examples

Figure 16. Global Technical Enzymes Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 17. Global Technical Enzymes Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 18. Global Technical Enzymes Sales Quantity (2020-2031) & (K MT)

Figure 19. Global Technical Enzymes Price (2020-2031) & (USD/MT)

Figure 20. Global Technical Enzymes Sales Quantity Market Share by Manufacturer in 2024

Figure 21. Global Technical Enzymes Revenue Market Share by Manufacturer in 2024

Figure 22. Producer Shipments of Technical Enzymes by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 23. Top 3 Technical Enzymes Manufacturer (Revenue) Market Share in 2024

Figure 24. Top 6 Technical Enzymes Manufacturer (Revenue) Market Share in 2024

Figure 25. Global Technical Enzymes Sales Quantity Market Share by Region (2020-2031)

Figure 26. Global Technical Enzymes Consumption Value Market Share by Region (2020-2031)

Figure 27. North America Technical Enzymes Consumption Value (2020-2031) & (USD

Million)

Figure 28. Europe Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 29. Asia-Pacific Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 30. South America Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 31. Middle East & Africa Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 32. Global Technical Enzymes Sales Quantity Market Share by Type (2020-2031)

Figure 33. Global Technical Enzymes Consumption Value Market Share by Type (2020-2031)

Figure 34. Global Technical Enzymes Average Price by Type (2020-2031) & (USD/MT)

Figure 35. Global Technical Enzymes Sales Quantity Market Share by Application (2020-2031)

Figure 36. Global Technical Enzymes Revenue Market Share by Application (2020-2031)

Figure 37. Global Technical Enzymes Average Price by Application (2020-2031) & (USD/MT)

Figure 38. North America Technical Enzymes Sales Quantity Market Share by Type (2020-2031)

Figure 39. North America Technical Enzymes Sales Quantity Market Share by Application (2020-2031)

Figure 40. North America Technical Enzymes Sales Quantity Market Share by Country (2020-2031)

Figure 41. North America Technical Enzymes Consumption Value Market Share by Country (2020-2031)

Figure 42. United States Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 43. Canada Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 44. Mexico Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 45. Europe Technical Enzymes Sales Quantity Market Share by Type (2020-2031)

Figure 46. Europe Technical Enzymes Sales Quantity Market Share by Application (2020-2031)

Figure 47. Europe Technical Enzymes Sales Quantity Market Share by Country (2020-2031)

Figure 48. Europe Technical Enzymes Consumption Value Market Share by Country

(2020-2031)

Figure 49. Germany Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 50. France Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 51. United Kingdom Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 52. Russia Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 53. Italy Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 54. Asia-Pacific Technical Enzymes Sales Quantity Market Share by Type (2020-2031)

Figure 55. Asia-Pacific Technical Enzymes Sales Quantity Market Share by Application (2020-2031)

Figure 56. Asia-Pacific Technical Enzymes Sales Quantity Market Share by Region (2020-2031)

Figure 57. Asia-Pacific Technical Enzymes Consumption Value Market Share by Region (2020-2031)

Figure 58. China Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 59. Japan Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 60. South Korea Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 61. India Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 62. Southeast Asia Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 63. Australia Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 64. South America Technical Enzymes Sales Quantity Market Share by Type (2020-2031)

Figure 65. South America Technical Enzymes Sales Quantity Market Share by Application (2020-2031)

Figure 66. South America Technical Enzymes Sales Quantity Market Share by Country (2020-2031)

Figure 67. South America Technical Enzymes Consumption Value Market Share by Country (2020-2031)

Figure 68. Brazil Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 69. Argentina Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 70. Middle East & Africa Technical Enzymes Sales Quantity Market Share by Type (2020-2031)

Figure 71. Middle East & Africa Technical Enzymes Sales Quantity Market Share by

Application (2020-2031)

Figure 72. Middle East & Africa Technical Enzymes Sales Quantity Market Share by Country (2020-2031)

Figure 73. Middle East & Africa Technical Enzymes Consumption Value Market Share by Country (2020-2031)

Figure 74. Turkey Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 75. Egypt Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 76. Saudi Arabia Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 77. South Africa Technical Enzymes Consumption Value (2020-2031) & (USD Million)

Figure 78. Technical Enzymes Market Drivers

Figure 79. Technical Enzymes Market Restraints

Figure 80. Technical Enzymes Market Trends

Figure 81. Porters Five Forces Analysis

Figure 82. Manufacturing Cost Structure Analysis of Technical Enzymes in 2024

Figure 83. Manufacturing Process Analysis of Technical Enzymes

Figure 84. Technical Enzymes Industrial Chain

Figure 85. Sales Channel: Direct to End-User vs Distributors

Figure 86. Direct Channel Pros & Cons

Figure 87. Indirect Channel Pros & Cons

Figure 88. Methodology

Figure 89. Research Process and Data Source

I would like to order

Product name: Global Technical Enzymes Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/G8C4D19D1E0EN.html>

Price: US\$ 3,480.00 (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/G8C4D19D1E0EN.html>