

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GDB1EEB0F23BEN.html>

Date: June 2026

Pages: 113

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

ID: GDB1EEB0F23BEN

Abstracts

The global PET (Polyethylene Terephthalate) Hydrolase Enzyme market size is expected to reach \$ 117 million by 2032, rising at a market growth of 10.3% CAGR during the forecast period (2026-2032).

PET hydrolase refers to industrial enzymes capable of catalyzing the depolymerization of polyethylene terephthalate into monomers or oligomers. Its core attributes include high biocatalytic specificity, reusability, and selectivity. The research scope covers natural enzymes, engineered PETases, and thermally stabilized variants used for polyester material recycling and biodegradation. The main product forms include powdered, liquid, or stabilized enzyme formulations, optimized through protein engineering and directed evolution to enhance catalytic efficiency and thermal stability. Key specifications include enzyme activity units, operational temperature range, and pH tolerance. The primary function is the breakdown of PET bottles, fibers, and films to enable monomer recovery and circular reuse, mainly applied in plastic recycling, fiber production, and biodegradable packaging industries. In 2025, the global PET hydrolase sector has an average gross margin of approximately 45% and an average market price of 200–400 USD per kilogram.

The global PET hydrolase industry is centered on biocatalytic plastic recycling, encompassing upstream enzyme raw material production and protein engineering research, midstream industrial enzyme formulation, and downstream processing for PET bottles and fiber recycling. Technological iterations are rapid, with protein engineering and directed evolution significantly enhancing enzyme activity and thermal stability. The reusability of catalysts reduces downstream processing costs, providing critical support for the circular economy. The supply chain is primarily concentrated in

Europe and China, with small and mid-sized R&D and pilot-scale production enterprises driving innovation and supply diversification.

The industry is currently in an emerging growth phase, with core enterprises leading industrial-scale production, ongoing capacity expansions, and pilot projects gradually forming regional supply networks. Policy support from Europe, the United States, and China for recyclable plastics and green circular economy initiatives provides a stable environment, including subsidies, recycling regulations, and environmental mandates. Frequent mergers, technology partnerships, and new product launches are fostering standardization and increasing market concentration while offering opportunities for small innovative enterprises to commercialize new technologies.

Over the next few years, the PET hydrolase market is expected to grow steadily, driven by downstream plastic recycling demand and circular economy initiatives. Pilot-scale enterprises are transitioning toward industrial-scale production, and improvements in enzyme catalysis efficiency will broaden application scenarios. Regional supply chains are likely to further optimize, increasing industry concentration while maintaining potential for technological breakthroughs among smaller enterprises. Overall, the sector demonstrates strong growth prospects, with environmental policies and sustainable practices serving as long-term drivers, while technological barriers and cost management remain key challenges.

This report studies the global PET (Polyethylene Terephthalate) Hydrolase Enzyme production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PET (Polyethylene Terephthalate) Hydrolase Enzyme 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 PET (Polyethylene Terephthalate) Hydrolase Enzyme that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme total production and demand, 2021-2032, (kg)

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme total production value, 2021-2032, (USD Million)

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (kg), (based on

production site)

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme consumption by region & country, CAGR, 2021-2032 & (kg)

U.S. VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme domestic production, consumption, key domestic manufacturers and share

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (kg)

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme production by Form, production, value, CAGR, 2021-2032, (USD Million) & (kg)

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme production by Application, production, value, CAGR, 2021-2032, (USD Million) & (kg)

This report profiles key players in the global PET (Polyethylene Terephthalate) Hydrolase Enzyme 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 CARBIOS, Yuantian Biotechnology (Tianjin) Co., Ltd., Beijing Suxin Technology Co., Ltd., Samsara Eco, Protein Evolution, Inc., Novonosis (Novozymes), 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 PET (Polyethylene Terephthalate) Hydrolase Enzyme market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (kg) and average price (US\$/kg) by manufacturer, by Form, 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 PET (Polyethylene Terephthalate) Hydrolase Enzyme Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme Market, Segmentation by Form:

Powder Enzyme

Liquid Enzyme

Others

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme Market, Segmentation by Reaction Temperature:

Mesophilic (?50°C)

Thermophilic (50-65°C)

Extreme Thermophilic (65-75°C)

Hyperthermophilic (?75°C)

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme Market, Segmentation by Optimal pH:

Acidic (pH 5.0-6.5)

Neutral (pH 6.5-7.5)

Alkaline (pH 7.5-9.0)

Broad Range (pH 5.0-9.0)

Others

Global PET (Polyethylene Terephthalate) Hydrolase Enzyme Market, Segmentation by Application:

Beverage & Food Packaging Recycling

PET Textile & Fiber Recycling

PET Film & Sheet Recycling

Industrial PET Scrap Recycling

Bioremediation & Waste Management

Others

Companies Profiled:

CARBIOS

Yuantian Biotechnology (Tianjin) Co., Ltd.

Beijing Suxin Technology Co., Ltd.

Samsara Eco

Protein Evolution, Inc.

Novonosis (Novozymes)

Key Questions Answered:

1. How big is the global PET (Polyethylene Terephthalate) Hydrolase Enzyme market?
2. What is the demand of the global PET (Polyethylene Terephthalate) Hydrolase Enzyme market?
3. What is the year over year growth of the global PET (Polyethylene Terephthalate) Hydrolase Enzyme market?
4. What is the production and production value of the global PET (Polyethylene Terephthalate) Hydrolase Enzyme market?
5. Who are the key producers in the global PET (Polyethylene Terephthalate) Hydrolase Enzyme market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

- 2.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Demand (2021-2032)
- 2.2 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption by Region
 - 2.2.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption by Region (2021-2026)
 - 2.2.2 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption

Forecast by Region (2027-2032)

2.3 United States PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032)

2.4 China PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032)

2.5 Europe PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032)

2.6 Japan PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032)

2.7 South Korea PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032)

2.8 ASEAN PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032)

2.9 India PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Manufacturer (2021-2026)

3.2 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Manufacturer (2021-2026)

3.3 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Manufacturer (2021-2026)

3.4 PET (Polyethylene Terephthalate) Hydrolase Enzyme Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global PET (Polyethylene Terephthalate) Hydrolase Enzyme Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for PET (Polyethylene Terephthalate) Hydrolase Enzyme in 2025

3.5.3 Global Concentration Ratios (CR8) for PET (Polyethylene Terephthalate) Hydrolase Enzyme in 2025

3.6 PET (Polyethylene Terephthalate) Hydrolase Enzyme Market: Overall Company Footprint Analysis

3.6.1 PET (Polyethylene Terephthalate) Hydrolase Enzyme Market: Region Footprint

3.6.2 PET (Polyethylene Terephthalate) Hydrolase Enzyme Market: Company Product Type Footprint

3.6.3 PET (Polyethylene Terephthalate) Hydrolase Enzyme 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: PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Comparison

4.1.1 United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Comparison

4.2.1 United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption Comparison

4.3.1 United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based PET (Polyethylene Terephthalate) Hydrolase Enzyme Manufacturers and Market Share, 2021-2026

4.4.1 United States Based PET (Polyethylene Terephthalate) Hydrolase Enzyme Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value (2021-2026)

4.4.3 United States Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (2021-2026)

4.5 China Based PET (Polyethylene Terephthalate) Hydrolase Enzyme Manufacturers and Market Share

4.5.1 China Based PET (Polyethylene Terephthalate) Hydrolase Enzyme

Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value (2021-2026)

4.5.3 China Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (2021-2026)

4.6 Rest of World Based PET (Polyethylene Terephthalate) Hydrolase Enzyme Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based PET (Polyethylene Terephthalate) Hydrolase Enzyme Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (2021-2026)

5 MARKET ANALYSIS BY FORM

5.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Market Size Overview by Form: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Form

5.2.1 Powder Enzyme

5.2.2 Liquid Enzyme

5.2.3 Others

5.3 Market Segment by Form

5.3.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Form (2021-2032)

5.3.2 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Form (2021-2032)

5.3.3 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Form (2021-2032)

6 MARKET ANALYSIS BY REACTION TEMPERATURE

6.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Market Size Overview by Reaction Temperature: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Reaction Temperature

6.2.1 Mesophilic (?50°C)

6.2.2 Thermophilic (50-65°C)

6.2.3 Extreme Thermophilic (65-75°C)

6.2.4 Hyperthermophilic (?75°C)

6.3 Market Segment by Reaction Temperature

6.3.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Reaction Temperature (2021-2032)

6.3.2 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Reaction Temperature (2021-2032)

6.3.3 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Reaction Temperature (2021-2032)

7 MARKET ANALYSIS BY OPTIMAL PH

7.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Market Size Overview by Optimal pH: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Optimal pH

7.2.1 Acidic (pH 5.0-6.5)

7.2.2 Neutral (pH 6.5-7.5)

7.2.3 Alkaline (pH 7.5-9.0)

7.2.4 Broad Range (pH 5.0-9.0)

7.2.5 Others

7.3 Market Segment by Optimal pH

7.3.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Optimal pH (2021-2032)

7.3.2 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Optimal pH (2021-2032)

7.3.3 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Optimal pH (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Beverage & Food Packaging Recycling

8.2.2 PET Textile & Fiber Recycling

8.2.3 PET Film & Sheet Recycling

8.2.4 Industrial PET Scrap Recycling

8.2.5 Bioremediation & Waste Management

8.2.6 Others

8.3 Market Segment by Application

8.3.1 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by

Application (2021-2032)

8.3.2 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Application (2021-2032)

8.3.3 World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 CARBIOS

9.1.1 CARBIOS Details

9.1.2 CARBIOS Major Business

9.1.3 CARBIOS PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

9.1.4 CARBIOS PET (Polyethylene Terephthalate) Hydrolase Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 CARBIOS Recent Developments/Updates

9.1.6 CARBIOS Competitive Strengths & Weaknesses

9.2 Yuantian Biotechnology (Tianjin) Co., Ltd.

9.2.1 Yuantian Biotechnology (Tianjin) Co., Ltd. Details

9.2.2 Yuantian Biotechnology (Tianjin) Co., Ltd. Major Business

9.2.3 Yuantian Biotechnology (Tianjin) Co., Ltd. PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

9.2.4 Yuantian Biotechnology (Tianjin) Co., Ltd. PET (Polyethylene Terephthalate) Hydrolase Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Yuantian Biotechnology (Tianjin) Co., Ltd. Recent Developments/Updates

9.2.6 Yuantian Biotechnology (Tianjin) Co., Ltd. Competitive Strengths & Weaknesses

9.3 Beijing Suxin Technology Co., Ltd.

9.3.1 Beijing Suxin Technology Co., Ltd. Details

9.3.2 Beijing Suxin Technology Co., Ltd. Major Business

9.3.3 Beijing Suxin Technology Co., Ltd. PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

9.3.4 Beijing Suxin Technology Co., Ltd. PET (Polyethylene Terephthalate) Hydrolase Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Beijing Suxin Technology Co., Ltd. Recent Developments/Updates

9.3.6 Beijing Suxin Technology Co., Ltd. Competitive Strengths & Weaknesses

9.4 Samsara Eco

9.4.1 Samsara Eco Details

9.4.2 Samsara Eco Major Business

9.4.3 Samsara Eco PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

9.4.4 Samsara Eco PET (Polyethylene Terephthalate) Hydrolase Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Samsara Eco Recent Developments/Updates

9.4.6 Samsara Eco Competitive Strengths & Weaknesses

9.5 Protein Evolution, Inc.

9.5.1 Protein Evolution, Inc. Details

9.5.2 Protein Evolution, Inc. Major Business

9.5.3 Protein Evolution, Inc. PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

9.5.4 Protein Evolution, Inc. PET (Polyethylene Terephthalate) Hydrolase Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Protein Evolution, Inc. Recent Developments/Updates

9.5.6 Protein Evolution, Inc. Competitive Strengths & Weaknesses

9.6 Novonosis (Novozymes)

9.6.1 Novonosis (Novozymes) Details

9.6.2 Novonosis (Novozymes) Major Business

9.6.3 Novonosis (Novozymes) PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

9.6.4 Novonosis (Novozymes) PET (Polyethylene Terephthalate) Hydrolase Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Novonosis (Novozymes) Recent Developments/Updates

9.6.6 Novonosis (Novozymes) Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 PET (Polyethylene Terephthalate) Hydrolase Enzyme Industry Chain

10.2 PET (Polyethylene Terephthalate) Hydrolase Enzyme Upstream Analysis

10.2.1 PET (Polyethylene Terephthalate) Hydrolase Enzyme Core Raw Materials

10.2.2 Main Manufacturers of PET (Polyethylene Terephthalate) Hydrolase Enzyme Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Mode

10.6 PET (Polyethylene Terephthalate) Hydrolase Enzyme Procurement Model

10.7 PET (Polyethylene Terephthalate) Hydrolase Enzyme Industry Sales Model and Sales Channels

10.7.1 PET (Polyethylene Terephthalate) Hydrolase Enzyme Sales Model

10.7.2 PET (Polyethylene Terephthalate) Hydrolase Enzyme Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Region (2021-2026) & (USD Million)
- Table 3. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Region (2027-2032) & (USD Million)
- Table 4. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Region (2021-2026)
- Table 5. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Region (2027-2032)
- Table 6. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Region (2021-2026) & (kg)
- Table 7. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Region (2027-2032) & (kg)
- Table 8. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share by Region (2021-2026)
- Table 9. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share by Region (2027-2032)
- Table 10. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Region (2021-2026) & (US\$/kg)
- Table 11. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Region (2027-2032) & (US\$/kg)
- Table 12. PET (Polyethylene Terephthalate) Hydrolase Enzyme Major Market Trends
- Table 13. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (kg)
- Table 14. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption by Region (2021-2026) & (kg)
- Table 15. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption Forecast by Region (2027-2032) & (kg)
- Table 16. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key PET (Polyethylene Terephthalate) Hydrolase Enzyme Producers in 2025
- Table 18. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Manufacturer (2021-2026) & (kg)

Table 19. Production Market Share of Key PET (Polyethylene Terephthalate) Hydrolase Enzyme Producers in 2025

Table 20. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Manufacturer (2021-2026) & (US\$/kg)

Table 21. Global PET (Polyethylene Terephthalate) Hydrolase Enzyme Company Evaluation Quadrant

Table 22. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Site of Key Manufacturer

Table 24. PET (Polyethylene Terephthalate) Hydrolase Enzyme Market: Company Product Type Footprint

Table 25. PET (Polyethylene Terephthalate) Hydrolase Enzyme Market: Company Product Application Footprint

Table 26. PET (Polyethylene Terephthalate) Hydrolase Enzyme Competitive Factors

Table 27. PET (Polyethylene Terephthalate) Hydrolase Enzyme New Entrant and Capacity Expansion Plans

Table 28. PET (Polyethylene Terephthalate) Hydrolase Enzyme Mergers & Acquisitions Activity

Table 29. United States VS China PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Comparison, (2021 & 2025 & 2032) & (kg)

Table 31. United States VS China PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption Comparison, (2021 & 2025 & 2032) & (kg)

Table 32. United States Based PET (Polyethylene Terephthalate) Hydrolase Enzyme Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (2021-2026) & (kg)

Table 36. United States Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share (2021-2026)

Table 37. China Based PET (Polyethylene Terephthalate) Hydrolase Enzyme Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production, (2021-2026) & (kg)

Table 41. China Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share (2021-2026)

Table 42. Rest of World Based PET (Polyethylene Terephthalate) Hydrolase Enzyme Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production, (2021-2026) & (kg)

Table 46. Rest of World Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share (2021-2026)

Table 47. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Form, (USD Million), 2021 & 2025 & 2032

Table 48. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Form (2021-2026) & (kg)

Table 49. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Form (2027-2032) & (kg)

Table 50. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Form (2021-2026) & (USD Million)

Table 51. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Form (2027-2032) & (USD Million)

Table 52. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Form (2021-2026) & (US\$/kg)

Table 53. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Form (2027-2032) & (US\$/kg)

Table 54. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Reaction Temperature, (USD Million), 2021 & 2025 & 2032

Table 55. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Reaction Temperature (2021-2026) & (kg)

Table 56. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Reaction Temperature (2027-2032) & (kg)

Table 57. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Reaction Temperature (2021-2026) & (USD Million)

Table 58. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value

by Reaction Temperature (2027-2032) & (USD Million)

Table 59. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Reaction Temperature (2021-2026) & (US\$/kg)

Table 60. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Reaction Temperature (2027-2032) & (US\$/kg)

Table 61. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Optimal pH, (USD Million), 2021 & 2025 & 2032

Table 62. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Optimal pH (2021-2026) & (kg)

Table 63. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Optimal pH (2027-2032) & (kg)

Table 64. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Optimal pH (2021-2026) & (USD Million)

Table 65. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Optimal pH (2027-2032) & (USD Million)

Table 66. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Optimal pH (2021-2026) & (US\$/kg)

Table 67. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Optimal pH (2027-2032) & (US\$/kg)

Table 68. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Application (2021-2026) & (kg)

Table 70. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production by Application (2027-2032) & (kg)

Table 71. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Application (2021-2026) & (USD Million)

Table 72. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Application (2027-2032) & (USD Million)

Table 73. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Application (2021-2026) & (US\$/kg)

Table 74. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Application (2027-2032) & (US\$/kg)

Table 75. CARBIOS Basic Information, Manufacturing Base and Competitors

Table 76. CARBIOS Major Business

Table 77. CARBIOS PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

Table 78. CARBIOS PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (kg), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 79. CARBIOS Recent Developments/Updates

Table 80. CARBIOS Competitive Strengths & Weaknesses

Table 81. Yuantian Biotechnology (Tianjin) Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 82. Yuantian Biotechnology (Tianjin) Co., Ltd. Major Business

Table 83. Yuantian Biotechnology (Tianjin) Co., Ltd. PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

Table 84. Yuantian Biotechnology (Tianjin) Co., Ltd. PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (kg), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Yuantian Biotechnology (Tianjin) Co., Ltd. Recent Developments/Updates

Table 86. Yuantian Biotechnology (Tianjin) Co., Ltd. Competitive Strengths & Weaknesses

Table 87. Beijing Suxin Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 88. Beijing Suxin Technology Co., Ltd. Major Business

Table 89. Beijing Suxin Technology Co., Ltd. PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

Table 90. Beijing Suxin Technology Co., Ltd. PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (kg), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Beijing Suxin Technology Co., Ltd. Recent Developments/Updates

Table 92. Beijing Suxin Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 93. Samsara Eco Basic Information, Manufacturing Base and Competitors

Table 94. Samsara Eco Major Business

Table 95. Samsara Eco PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

Table 96. Samsara Eco PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (kg), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Samsara Eco Recent Developments/Updates

Table 98. Samsara Eco Competitive Strengths & Weaknesses

Table 99. Protein Evolution, Inc. Basic Information, Manufacturing Base and Competitors

Table 100. Protein Evolution, Inc. Major Business

Table 101. Protein Evolution, Inc. PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

Table 102. Protein Evolution, Inc. PET (Polyethylene Terephthalate) Hydrolase Enzyme

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

Table 103. Protein Evolution, Inc. Recent Developments/Updates

Table 104. Protein Evolution, Inc. Competitive Strengths & Weaknesses

Table 105. Novonosis (Novozymes) Basic Information, Manufacturing Base and Competitors

Table 106. Novonosis (Novozymes) Major Business

Table 107. Novonosis (Novozymes) PET (Polyethylene Terephthalate) Hydrolase Enzyme Product and Services

Table 108. Novonosis (Novozymes) PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (kg), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Novonosis (Novozymes) Recent Developments/Updates

Table 110. Novonosis (Novozymes) Competitive Strengths & Weaknesses

Table 111. Global Key Players of PET (Polyethylene Terephthalate) Hydrolase Enzyme Upstream (Raw Materials)

Table 112. Global PET (Polyethylene Terephthalate) Hydrolase Enzyme Typical Customers

Table 113. PET (Polyethylene Terephthalate) Hydrolase Enzyme Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. PET (Polyethylene Terephthalate) Hydrolase Enzyme Picture

Figure 2. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (2021-2032) & (kg)

Figure 5. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price (2021-2032) & (US\$/kg)

Figure 6. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Region (2021-2032)

Figure 7. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share by Region (2021-2032)

Figure 8. North America PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (2021-2032) & (kg)

Figure 9. Europe PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (2021-2032) & (kg)

Figure 10. China PET (Polyethylene Terephthalate) Hydrolase Enzyme Production (2021-2032) & (kg)

Figure 11. PET (Polyethylene Terephthalate) Hydrolase Enzyme Market Drivers

Figure 12. Factors Affecting Demand

Figure 13. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032) & (kg)

Figure 14. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption Market Share by Region (2021-2032)

Figure 15. United States PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032) & (kg)

Figure 16. China PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032) & (kg)

Figure 17. Europe PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032) & (kg)

Figure 18. Japan PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032) & (kg)

Figure 19. South Korea PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032) & (kg)

Figure 20. ASEAN PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032) & (kg)

Figure 21. India PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption (2021-2032) & (kg)

Figure 22. Producer Shipments of PET (Polyethylene Terephthalate) Hydrolase Enzyme by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 23. Global Four-firm Concentration Ratios (CR4) for PET (Polyethylene Terephthalate) Hydrolase Enzyme Markets in 2025

Figure 24. Global Four-firm Concentration Ratios (CR8) for PET (Polyethylene Terephthalate) Hydrolase Enzyme Markets in 2025

Figure 25. United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 26. United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: PET (Polyethylene Terephthalate) Hydrolase Enzyme Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share 2025

Figure 29. China Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share 2025

Figure 30. Rest of World Based Manufacturers PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share 2025

Figure 31. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Form, (USD Million), 2021 & 2025 & 2032

Figure 32. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Form in 2025

Figure 33. Powder Enzyme

Figure 34. Liquid Enzyme

Figure 35. Others

Figure 36. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share by Form (2021-2032)

Figure 37. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Form (2021-2032)

Figure 38. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Form (2021-2032) & (US\$/kg)

Figure 39. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Reaction Temperature, (USD Million), 2021 & 2025 & 2032

Figure 40. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Reaction Temperature in 2025

- Figure 41. Mesophilic (?50°C)
- Figure 42. Thermophilic (50-65°C)
- Figure 43. Extreme Thermophilic (65-75°C)
- Figure 44. Hyperthermophilic (?75°C)
- Figure 45. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share by Reaction Temperature (2021-2032)
- Figure 46. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Reaction Temperature (2021-2032)
- Figure 47. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Reaction Temperature (2021-2032) & (US\$/kg)
- Figure 48. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Optimal pH, (USD Million), 2021 & 2025 & 2032
- Figure 49. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Optimal pH in 2025
- Figure 50. Acidic (pH 5.0-6.5)
- Figure 51. Neutral (pH 6.5-7.5)
- Figure 52. Alkaline (pH 7.5-9.0)
- Figure 53. Broad Range (pH 5.0-9.0)
- Figure 54. Others
- Figure 55. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share by Optimal pH (2021-2032)
- Figure 56. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Optimal pH (2021-2032)
- Figure 57. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Optimal pH (2021-2032) & (US\$/kg)
- Figure 58. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 59. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Application in 2025
- Figure 60. Beverage & Food Packaging Recycling
- Figure 61. PET Textile & Fiber Recycling
- Figure 62. PET Film & Sheet Recycling
- Figure 63. Industrial PET Scrap Recycling
- Figure 64. Bioremediation & Waste Management
- Figure 65. Others
- Figure 66. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Market Share by Application (2021-2032)
- Figure 67. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Production Value Market Share by Application (2021-2032)

Figure 68. World PET (Polyethylene Terephthalate) Hydrolase Enzyme Average Price by Application (2021-2032) & (US\$/kg)

Figure 69. PET (Polyethylene Terephthalate) Hydrolase Enzyme Industry Chain

Figure 70. PET (Polyethylene Terephthalate) Hydrolase Enzyme Procurement Model

Figure 71. PET (Polyethylene Terephthalate) Hydrolase Enzyme Sales Model

Figure 72. PET (Polyethylene Terephthalate) Hydrolase Enzyme Sales Channels, Direct Sales, and Distribution

Figure 73. Methodology

Figure 74. Research Process and Data Source

I would like to order

Product name: Global PET (Polyethylene Terephthalate) Hydrolase Enzyme Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GDB1EEB0F23BEN.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/GDB1EEB0F23BEN.html>