

2026-2031 Global Gamma-Polyglutamic Acid Outlook Market Size, Share & Trends Analysis Report By Player, Type, Application and Region

<https://marketpublishers.com/r/G69AA957862FEN.html>

Date: August 2026

Pages: 138

Price: US\$ 3,150.00 (Single User License)

ID: G69AA957862FEN

Abstracts

HNY Research projects that the Gamma-Polyglutamic Acid market size will grow from 473.69 Million USD in 2025 to 785.9 Million USD by 2031, at an estimated CAGR of 8.8%. The base year considered for the study is 2025, and the market size is projected from 2026 to 2031.

For 2025 regional market size, the North America market size was 102.6 Million USD, the Europe market size was 71.72 Million USD, and the Asia market size was 86.92 Million USD.

This report presents a detailed and holistic analysis of the global Gamma-Polyglutamic Acid market. It integrates quantitative data with qualitative insights to equip readers with the necessary information for strategic planning, competitive assessment, market positioning, and data-driven decision-making.

All market sizes, estimates, and forecasts are expressed in terms of output/shipments and revenue. With 2025 serving as the base year, the report provides historical context from 2020. and projections up to 2031. It includes a complete segmentation of the global market, along with regional market sizes analyzed by type, application, and key industry participants.

Further enriching the analysis, the report outlines the competitive environment, offering profiles of prominent players and their market standings. It also explores key technological advancements and recent developments in product offerings. Ultimately, this report serves as a vital resource for Gamma-Polyglutamic Acid manufacturers, prospective entrants, and other stakeholders within the industry value

chain. It supplies comprehensive data on revenues, production, and average pricing for the overall market and its sub-segments, detailed by company, product type, application, and geographic region.

By Market Players:

Vedan Biotechnology
Bioleaders
Ichimaru Pharcos
Toyobo
Shandong Freda
Nanjing Shineking Biotech
Bloomage Biotech
Guanghua Group
Nanjing Sai Taisi Biotechnology
Zytex
Shandong Changrui
Shandong Taihe Biotech
Lion King Biotechnology
Guangdong Sungen Bioscience
Hefei Hechen

By Type

Molecular Weight Below 20,000
700,000 Molecular Weight
1 million Molecular Weight
Above 1.5 million Molecular Weight

By Application

Fertilizer
Medicines & Health Products
Food & Drinks
Cosmetic
Others

By Regions/Countries:

North America
East Asia
Europe
South Asia

Southeast Asia

Middle East

Africa

Oceania

South America

Points Covered in The Report

The points that are discussed within the report are the major market players that are involved in the market such as market players, raw material suppliers, equipment suppliers, end users, traders, distributors and etc.

The complete profile of the companies is mentioned. And the capacity, production, price, revenue, cost, gross, gross margin, sales volume, sales revenue, consumption, growth rate, import, export, supply, future strategies, and the technological developments that they are making are also included within the report. This report analyzed 12 years data history and forecast.

The growth factors of the market is discussed in detail wherein the different end users of the market are explained in detail.

Data and information by market player, by region, by type, by application and etc, and custom research can be added according to specific requirements.

The report contains the SWOT analysis of the market. Finally, the report contains the conclusion part where the opinions of the industrial experts are included.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements.

Contents

1 REPORT OVERVIEW

- 1.1 Study Scope
- 1.2 Key Market Segments
- 1.3 Global Market Size by Player 2020-2025
- 1.4 Global Market Size by Type in 2026-2031
 - 1.4.1 Global Market Size by Type in 2026-2031
 - 1.4.2 Molecular Weight Below 20,000
 - 1.4.3 700,000 Molecular Weight
 - 1.4.4 1 million Molecular Weight
 - 1.4.5 Above 1.5 million Molecular Weight
- 1.5 Global Market Size by Application in 2026-2031
 - 1.5.1 Global Market Size by Application in 2026-2031
 - 1.5.2 Fertilizer
 - 1.5.3 Medicines & Health Products
 - 1.5.4 Food & Drinks
 - 1.5.5 Cosmetic
 - 1.5.6 Others
- 1.6 Global Market Size by Region 2026-2031
 - 1.6.1 Global Market Size Outlook 2026-2031
 - 1.6.2 North America
 - 1.6.3 East Asia
 - 1.6.4 Europe
 - 1.6.5 South Asia
 - 1.6.6 Southeast Asia
 - 1.6.7 Middle East
 - 1.6.8 Africa
 - 1.6.9 Oceania
 - 1.6.10 South America
 - 1.6.11 Rest of the World

2 MANUFACTURING COST STRUCTURE ANALYSIS 2026

- 2.1 Manufacturing Cost Structure Analysis of Gamma-Polyglutamic Acid 2026
- 2.2 Industry Chain Structure Analysis of Gamma-Polyglutamic Acid 2026

3 MARKET COMPETITION ANALYSIS BY PLAYERS 2020-2025

- 3.1 Global Gamma-Polyglutamic Acid Production Capacity by Players 2020-2025
- 3.2 Global Gamma-Polyglutamic Acid Production Revenue by Players 2020-2025
- 3.3 Global Gamma-Polyglutamic Acid Ex-Factory Price by Players 2020-2025

4 MARKET COMPETITION ANALYSIS BY REGION 2020-2025

- 4.1 Global Gamma-Polyglutamic Acid Production by Region 2020-2025
 - 4.1.1 Global Gamma-Polyglutamic Acid Production Volume by Region 2020-2025
 - 4.1.2 Global Gamma-Polyglutamic Acid Production Revenue by Region 2020-2025
- 4.2 Global Gamma-Polyglutamic Acid Consumption Volume by Region 2020-2025
- 4.3 North America Gamma-Polyglutamic Acid Market Competition Analysis 2020-2025
 - 4.3.1 North America Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025
 - 4.3.2 North America Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025
 - 4.3.3 North America Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025
 - 4.3.4 North America Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025
- 4.4 East Asia Gamma-Polyglutamic Acid Market Competition Analysis 2020-2025
 - 4.4.1 East Asia Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025
 - 4.4.2 East Asia Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025
 - 4.4.3 East Asia Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025
 - 4.4.4 East Asia Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025
- 4.5 Europe Gamma-Polyglutamic Acid Market Competition Analysis 2020-2025
 - 4.5.1 Europe Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025
 - 4.5.2 Europe Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025
 - 4.5.3 Europe Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025
 - 4.5.4 Europe Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025
- 4.6 South Asia Gamma-Polyglutamic Acid Market Competition Analysis 2020-2025
 - 4.6.1 South Asia Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025
 - 4.6.2 South Asia Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025
 - 4.6.3 South Asia Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025
 - 4.6.4 South Asia Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025
- 4.7 Southeast Asia Gamma-Polyglutamic Acid Market Competition Analysis 2020-2025

- 4.7.1 Southeast Asia Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025
- 4.7.2 Southeast Asia Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025
- 4.7.3 Southeast Asia Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025
- 4.7.4 Southeast Asia Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025
- 4.8 Middle East Gamma-Polyglutamic Acid Market Competition Analysis 2020-2025
 - 4.8.1 Middle East Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025
 - 4.8.2 Middle East Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025
 - 4.8.3 Middle East Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025
 - 4.8.4 Middle East Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025
- 4.9 Africa Gamma-Polyglutamic Acid Market Competition Analysis 2020-2025
 - 4.9.1 Africa Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025
 - 4.9.2 Africa Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025
 - 4.9.3 Africa Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025
 - 4.9.4 Africa Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025
- 4.10 Oceania Gamma-Polyglutamic Acid Market Competition Analysis 2020-2025
 - 4.10.1 Oceania Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025
 - 4.10.2 Oceania Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025
 - 4.10.3 Oceania Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025
 - 4.10.4 Oceania Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025
- 4.11 South America Gamma-Polyglutamic Acid Market Competition Analysis 2020-2025
 - 4.11.1 South America Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025
 - 4.11.2 South America Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025
 - 4.11.3 South America Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025
 - 4.11.4 South America Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

5 MARKET COMPETITION ANALYSIS BY TYPE (SALES VIEW) 2020-2031

5.1 Global Gamma-Polyglutamic Acid Historic Market Size by Type in 2020-2025

5.2 Global Gamma-Polyglutamic Acid Forecasted Market Size by Type in 2026-2031

6 MARKET COMPETITION ANALYSIS BY APPLICATION (CONSUMPTION VIEW) 2020-2031

6.1 Global Gamma-Polyglutamic Acid Historic Market Size by Application in 2020-2025

6.2 Global Gamma-Polyglutamic Acid Forecasted Market Size by Application in 2026-2031

7 LEADING COMPANY PROFILES AND KEY FIGURES IN GAMMA-POLYGLUTAMIC ACID BUSINESS 2020-2025

7.1 Vedan Biotechnology

7.1.1 Vedan Biotechnology Company Profile

7.1.2 Vedan Biotechnology Gamma-Polyglutamic Acid Product Specification

7.1.3 Vedan Biotechnology Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.2 Bioleaders

7.2.1 Bioleaders Company Profile

7.2.2 Bioleaders Gamma-Polyglutamic Acid Product Specification

7.2.3 Bioleaders Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.3 Ichimaru Pharcos

7.3.1 Ichimaru Pharcos Company Profile

7.3.2 Ichimaru Pharcos Gamma-Polyglutamic Acid Product Specification

7.3.3 Ichimaru Pharcos Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.4 Toyobo

7.4.1 Toyobo Company Profile

7.4.2 Toyobo Gamma-Polyglutamic Acid Product Specification

7.4.3 Toyobo Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.5 Shandong Freda

7.5.1 Shandong Freda Company Profile

7.5.2 Shandong Freda Gamma-Polyglutamic Acid Product Specification

7.5.3 Shandong Freda Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.6 Nanjing Shineking Biotech

7.6.1 Nanjing Shineking Biotech Company Profile

- 7.6.2 Nanjing Shineking Biotech Gamma-Polyglutamic Acid Product Specification
- 7.6.3 Nanjing Shineking Biotech Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.7 Bloomage Biotech
 - 7.7.1 Bloomage Biotech Company Profile
 - 7.7.2 Bloomage Biotech Gamma-Polyglutamic Acid Product Specification
 - 7.7.3 Bloomage Biotech Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.8 Guanghai Group
 - 7.8.1 Guanghai Group Company Profile
 - 7.8.2 Guanghai Group Gamma-Polyglutamic Acid Product Specification
 - 7.8.3 Guanghai Group Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.9 Nanjing Sai Taisi Biotechnology
 - 7.9.1 Nanjing Sai Taisi Biotechnology Company Profile
 - 7.9.2 Nanjing Sai Taisi Biotechnology Gamma-Polyglutamic Acid Product Specification
 - 7.9.3 Nanjing Sai Taisi Biotechnology Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.10 Zytex
 - 7.10.1 Zytex Company Profile
 - 7.10.2 Zytex Gamma-Polyglutamic Acid Product Specification
 - 7.10.3 Zytex Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.11 Shandong Changrui
 - 7.11.1 Shandong Changrui Company Profile
 - 7.11.2 Shandong Changrui Gamma-Polyglutamic Acid Product Specification
 - 7.11.3 Shandong Changrui Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.12 Shandong Taihe Biotech
 - 7.12.1 Shandong Taihe Biotech Company Profile
 - 7.12.2 Shandong Taihe Biotech Gamma-Polyglutamic Acid Product Specification
 - 7.12.3 Shandong Taihe Biotech Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.13 Lion King Biotechnology
 - 7.13.1 Lion King Biotechnology Company Profile
 - 7.13.2 Lion King Biotechnology Gamma-Polyglutamic Acid Product Specification
 - 7.13.3 Lion King Biotechnology Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.14 Guangdong Sunge Bioscience

- 7.14.1 Guangdong Sungen Bioscience Company Profile
- 7.14.2 Guangdong Sungen Bioscience Gamma-Polyglutamic Acid Product Specification
- 7.14.3 Guangdong Sungen Bioscience Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.15 Hefei Hechen
 - 7.15.1 Hefei Hechen Company Profile
 - 7.15.2 Hefei Hechen Gamma-Polyglutamic Acid Product Specification
 - 7.15.3 Hefei Hechen Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

8 MARKET FORECAST ANALYSIS ON PRODUCTION AND SUPPLY BY REGION 2026-2031

- 8.1 Global Forecasted Production Capacity of Gamma-Polyglutamic Acid 2026-2031
- 8.2 Global Forecasted Production Revenue of Gamma-Polyglutamic Acid 2026-2031
- 8.3 Global Forecasted Production Volume of Gamma-Polyglutamic Acid by Region 2026-2031
 - 8.3.1 North America Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
 - 8.3.2 East Asia Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
 - 8.3.3 Europe Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
 - 8.3.4 South Asia Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
 - 8.3.5 Southeast Asia Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
 - 8.3.6 Middle East Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
 - 8.3.7 Africa Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
 - 8.3.8 Oceania Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
 - 8.3.9 South America Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
 - 8.3.10 Rest of the World Forecasted Production of Gamma-Polyglutamic Acid 2026-2031
- 8.4 Global Forecasted Sales by Type and Consumption by Application in 2026-2031
 - 8.4.1 Global Forecasted Sales Volume, Sales Revenue and Sales Price by Type in 2026-2031
 - 8.4.2 Global Forecasted Consumption Volume and Consumption Value by Application in 2026-2031

9 MARKET FORECAST ANALYSIS ON CONSUMPTION AND DEMAND BY REGION 2026-2031

- 9.1 North America Forecasted Consumption of Gamma-Polyglutamic Acid by Country

- 9.2 East Asia Forecasted Consumption of Gamma-Polyglutamic Acid by Country
- 9.3 Europe Market Forecasted Consumption of Gamma-Polyglutamic Acid by Country
- 9.4 South Asia Forecasted Consumption of Gamma-Polyglutamic Acid by Country
- 9.5 Southeast Asia Forecasted Consumption of Gamma-Polyglutamic Acid by Country
- 9.6 Middle East Forecasted Consumption of Gamma-Polyglutamic Acid by Country
- 9.7 Africa Forecasted Consumption of Gamma-Polyglutamic Acid by Country
- 9.8 Oceania Forecasted Consumption of Gamma-Polyglutamic Acid by Country
- 9.9 South America Forecasted Consumption of Gamma-Polyglutamic Acid by Country
- 9.10 Rest of the World Forecasted Consumption of Gamma-Polyglutamic Acid by Country

10 MARKETING CHANNEL, DISTRIBUTORS AND CUSTOMERS ANALYSIS

- 10.1 Marketing Channel
 - 10.1.1 Direct Channels
 - 10.1.2 Indirect Channels

11 MARKET DYNAMICS ANALYSIS

- 11.1 Market Trends
- 11.2 Opportunities and Drivers
- 11.3 Challenges
- 11.4 Porter's Five Forces Analysis

12 CONCLUSION

13 APPENDIX

- 13.1 Methodology/Research Approach
 - 13.1.1 Research Programs/Design
 - 13.1.2 Market Size Estimation
 - 13.1.3 Market Breakdown and Data Triangulation
- 13.2 Data Source
 - 13.2.1 Secondary Sources
 - 13.2.2 Primary Sources
- 13.3 Who Trust HNY Research
- 13.4 Disclaimer
- Research Methodology

List Of Tables

LIST OF TABLES

Table Global Market Size in Production Revenue by Player 2020-2025

Table Global Market Size in Sales Revenue by Type in 2026-2031

Table Global Market Size in Consumption Value by Application in 2026-2031

Table Global Gamma-Polyglutamic Acid Production Capacity by Players 2020-2025

Table Global Gamma-Polyglutamic Acid Production Volume by Players 2020-2025

Table Global Gamma-Polyglutamic Acid Production Volume Market Share by Players 2020-2025

Table Global Gamma-Polyglutamic Acid Production Revenue by Players 2020-2025

Table Global Gamma-Polyglutamic Acid Production Revenue Share by Players 2020-2025

Table Global Gamma-Polyglutamic Acid Ex-Factory Price of Key Players 2020-2025

Table Global Gamma-Polyglutamic Acid Production Volume by Region 2020-2025

Table Global Gamma-Polyglutamic Acid Production Volume Market Share by Region 2020-2025

Table Global Gamma-Polyglutamic Acid Production Revenue by Region 2020-2025

Table Global Gamma-Polyglutamic Acid Production Revenue Market Share by Region 2020-2025

Table Global Gamma-Polyglutamic Acid Consumption Volume by Region 2020-2025

Table Global Gamma-Polyglutamic Acid Consumption Volume Market Share by Region 2020-2025

Table North America Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025

Table North America Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

Table East Asia Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025

Table East Asia Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

Table Europe Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025

Table Europe Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

Table South Asia Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025

Table South Asia Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

Table Southeast Asia Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025

Table Southeast Asia Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

Table Middle East Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025

Table Middle East Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

Table Africa Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025

Table Africa Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

Table Oceania Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025

Table Oceania Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

Table South America Gamma-Polyglutamic Acid Sales Volume by Key Players 2020-2025

Table South America Gamma-Polyglutamic Acid Production, Consumption, Import and Export 2020-2025

Table Global Gamma-Polyglutamic Acid Historic Sales Revenue by Type in 2020-2025

Table Global Gamma-Polyglutamic Acid Historic Sales Revenue Market Share by Type in 2020-2025

Table Global Gamma-Polyglutamic Acid Forecasted Sales Revenue by Type in 2026-2031

Table Global Gamma-Polyglutamic Acid Forecasted Sales Revenue Market Share by Type in 2026-2031

Table Global Gamma-Polyglutamic Acid Historic Consumption Value by Application in 2020-2025

Table Global Gamma-Polyglutamic Acid Historic Consumption Value Market Share by Application in 2020-2025

Table Global Gamma-Polyglutamic Acid Forecasted Consumption Value by Application in 2026-2031

Table Global Gamma-Polyglutamic Acid Forecasted Consumption Value Market Share by Application in 2026-2031

Table Vedan Biotechnology Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Bioleaders Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Ichimaru Pharcos Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Toyobo Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Shandong Freda Gamma-Polyglutamic Acid Production Capacity, Revenue, Price

and Gross Margin 2020-2025

Table Nanjing Shineking Biotech Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Bloomage Biotech Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Guanghua Group Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Nanjing Sai Taisi Biotechnology Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Zytex Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Shandong Changrui Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Shandong Taihe Biotech Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Lion King Biotechnology Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Guangdong Sungen Bioscience Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Hefei Hechen Gamma-Polyglutamic Acid Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Global Forecasted Production Volume of Gamma-Polyglutamic Acid by Region 2026-2031

Table Global Forecasted Sales Volume by Type in 2026-2031

Table Global Forecasted Sales Volume Market Share by Type in 2026-2031

Table Global Forecasted Sales Revenue by Type in 2026-2031

Table Global Forecasted Sales Revenue Market Share by Type in 2026-2031

Table Global Forecasted Sales Price by Type in 2026-2031

Table Global Forecasted Consumption Volume by Application in 2026-2031

Table Global Forecasted Consumption Value by Application in 2026-2031

Table Market Key Trends

Table Key Opportunities and Drivers: Impact Analysis 2026-2031

Table Key Challenges

Table Research Programs/Design for This Report

Table Key Data Information from Secondary Sources

Table Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

Figure Global Market Share in Sales Revenue by Type in 2025

Figure Molecular Weight Below 20,000 Features

Figure 700,000 Molecular Weight Features

Figure 1 million Molecular Weight Features

Figure Above 1.5 million Molecular Weight Features

Figure Global Market Share in Consumption Value by Application in 2025

Figure Fertilizer Case Studies

Figure Medicines & Health Products Case Studies

Figure Food & Drinks Case Studies

Figure Cosmetic Case Studies

Figure Others Case Studies

Figure Global Market Size in Sales Revenue Outlook 2026-2031

Figure North America Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure East Asia Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure Europe Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure South Asia Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure South America Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure Middle East Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure Africa Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure Oceania Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure South America Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure Rest of the World Gamma-Polyglutamic Acid Sales Revenue and Growth Rate 2026-2031

Figure Manufacturing Cost Structure Analysis of Gamma-Polyglutamic Acid 2026

Figure Industry Chain Structure Analysis of Gamma-Polyglutamic Acid 2026

Figure Global Gamma-Polyglutamic Acid Production Volume Market Share by Region in 2025

Figure Global Gamma-Polyglutamic Acid Production Revenue Market Share by Region in 2025

Figure North America Gamma-Polyglutamic Acid Production Volume Analysis
2020-2025

Figure North America Gamma-Polyglutamic Acid Production Revenue Analysis
2020-2025

Figure East Asia Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025

Figure East Asia Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025

Figure Europe Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025

Figure Europe Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025

Figure South Asia Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025

Figure South Asia Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025

Figure Southeast Asia Gamma-Polyglutamic Acid Production Volume Analysis
2020-2025

Figure Southeast Asia Gamma-Polyglutamic Acid Production Revenue Analysis
2020-2025

Figure Middle East Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025

Figure Middle East Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025

Figure Africa Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025

Figure Africa Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025

Figure Oceania Gamma-Polyglutamic Acid Production Volume Analysis 2020-2025

Figure Oceania Gamma-Polyglutamic Acid Production Revenue Analysis 2020-2025

Figure South America Gamma-Polyglutamic Acid Production Volume Analysis
2020-2025

Figure South America Gamma-Polyglutamic Acid Production Revenue Analysis
2020-2025

Figure Vedan Biotechnology Gamma-Polyglutamic Acid Product Specification

Figure Bioleaders Gamma-Polyglutamic Acid Product Specification

Figure Ichimaru Pharcos Gamma-Polyglutamic Acid Product Specification

Figure Toyobo Gamma-Polyglutamic Acid Product Specification

Figure Shandong Freda Gamma-Polyglutamic Acid Product Specification

Figure Nanjing Shineking Biotech Gamma-Polyglutamic Acid Product Specification

Figure Bloomage Biotech Gamma-Polyglutamic Acid Product Specification

Figure Guanghua Group Gamma-Polyglutamic Acid Product Specification

Figure Nanjing Sai Taisi Biotechnology Gamma-Polyglutamic Acid Product Specification

Figure Zytex Gamma-Polyglutamic Acid Product Specification

Figure Shandong Changrui Gamma-Polyglutamic Acid Product Specification

Figure Shandong Taihe Biotech Gamma-Polyglutamic Acid Product Specification

Figure Lion King Biotechnology Gamma-Polyglutamic Acid Product Specification

Figure Guangdong Sungen Bioscience Gamma-Polyglutamic Acid Product Specification

Figure Hefei Hechen Gamma-Polyglutamic Acid Product Specification

Figure Global Forecasted Production Capacity of Gamma-Polyglutamic Acid 2026-2031

Figure Global Forecasted Production Revenue of Gamma-Polyglutamic Acid 2026-2031

Figure North America Forecasted Production Capacity of Gamma-Polyglutamic Acid
2026-2031

Figure North America Forecasted Production Revenue of Gamma-Polyglutamic Acid
2026-2031

Figure East Asia Forecasted Production Capacity of Gamma-Polyglutamic Acid
2026-2031

Figure East Asia Forecasted Production Revenue of Gamma-Polyglutamic Acid
2026-2031

Figure Europe Forecasted Production Capacity of Gamma-Polyglutamic Acid
2026-2031

Figure Europe Forecasted Production Revenue of Gamma-Polyglutamic Acid
2026-2031

Figure South Asia Forecasted Production Capacity of Gamma-Polyglutamic Acid
2026-2031

Figure South Asia Forecasted Production Revenue of Gamma-Polyglutamic Acid
2026-2031

Figure Southeast Asia Forecasted Production Capacity of Gamma-Polyglutamic Acid
2026-2031

Figure Southeast Asia Forecasted Production Revenue of Gamma-Polyglutamic Acid
2026-2031

Figure Middle East Forecasted Production Capacity of Gamma-Polyglutamic Acid
2026-2031

Figure Middle East Forecasted Production Revenue of Gamma-Polyglutamic Acid
2026-2031

Figure Africa Forecasted Production Capacity of Gamma-Polyglutamic Acid 2026-2031

Figure Africa Forecasted Production Revenue of Gamma-Polyglutamic Acid 2026-2031

Figure Oceania Forecasted Production Capacity of Gamma-Polyglutamic Acid
2026-2031

Figure Oceania Forecasted Production Revenue of Gamma-Polyglutamic Acid
2026-2031

Figure South America Forecasted Production Capacity of Gamma-Polyglutamic Acid
2026-2031

Figure South America Forecasted Production Revenue of Gamma-Polyglutamic Acid
2026-2031

Figure Rest of the World Forecasted Production Capacity of Gamma-Polyglutamic Acid
2026-2031

Figure Rest of the World Forecasted Production Revenue of Gamma-Polyglutamic Acid

2026-2031

Figure North America Forecasted Consumption of Gamma-Polyglutamic Acid

2026-2031

Figure North America Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure East Asia Forecasted Consumption of Gamma-Polyglutamic Acid 2026-2031

Figure East Asia Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure Europe Forecasted Consumption of Gamma-Polyglutamic Acid 2026-2031

Figure Europe Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure South Asia Forecasted Consumption of Gamma-Polyglutamic Acid 2026-2031

Figure South Asia Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure Southeast Asia Forecasted Consumption of Gamma-Polyglutamic Acid 2026-2031

Figure Southeast Asia Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure Middle East Forecasted Consumption of Gamma-Polyglutamic Acid 2026-2031

Figure Middle East Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure Africa Forecasted Consumption of Gamma-Polyglutamic Acid 2026-2031

Figure Africa Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure Oceania Forecasted Consumption of Gamma-Polyglutamic Acid 2026-2031

Figure Oceania Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure South America Forecasted Consumption of Gamma-Polyglutamic Acid 2026-2031

Figure South America Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure Rest of the World Forecasted Consumption of Gamma-Polyglutamic Acid 2026-2031

Figure Rest of the World Forecasted Consumption of Gamma-Polyglutamic Acid 2031 by Country

Figure Channels of Distribution

Figure Porter's Five Forces Analysis

Figure Key Executives Interviewed

I would like to order

Product name: 2026-2031 Global Gamma-Polyglutamic Acid Outlook Market Size, Share & Trends Analysis Report By Player, Type, Application and Region

Product link: <https://marketpublishers.com/r/G69AA957862FEN.html>

Price: US\$ 3,150.00 (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/G69AA957862FEN.html>