

Global Gamma Valerolactone Market Growth 2026-2032

<https://marketpublishers.com/r/GE1F4F213484EN.html>

Date: June 2026

Pages: 89

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

ID: GE1F4F213484EN

Abstracts

The global Gamma Valerolactone market size is predicted to grow from US\$ 573 million in 2025 to US\$ 707 million in 2032; it is expected to grow at a CAGR of 2.9% from 2026 to 2032.

Gamma Valerolactone (CAS 108-29-2) is colorless liquid. It is one of the more common lactones. GVL is chiral but is usually used as the racemate. It can be used to produce food flavors, used as solvent for resins, monomer intermediate, lubricant, plasticizer and so on. In 2025, global Gamma Valerolactone production reached approximately 26552 MT.

Gamma-valerolactone (GVL) is a renewable organic compound derived mainly from biomass sources such as lignocellulosic materials. It serves as a versatile green solvent, fuel additive, and intermediate in the production of chemicals, polymers, and pharmaceuticals. Its environmentally friendly profile, biodegradability, and relatively low toxicity make it attractive in applications where sustainable alternatives are sought to replace petroleum-based solvents and intermediates. GVL is also being explored as a platform molecule for producing biofuels and value-added chemicals, further enhancing its strategic importance in the shift toward a circular and bio-based economy.

The market for gamma-valerolactone is driven by the growing demand for green solvents in industrial processes, the need for sustainable fuel additives, and the rising interest in bio-based chemicals. Key end-use industries include chemicals, energy, pharmaceuticals, and agrochemicals, with research and development playing a significant role in expanding its commercial viability. However, challenges such as high production costs and limited large-scale manufacturing capacity currently restrict its widespread adoption. As advances in biomass conversion technologies mature and

scale up, the market is expected to expand steadily, with strong opportunities in regions focusing on renewable energy and sustainable chemical production.

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

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

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

This report presents a comprehensive overview, market shares, and growth opportunities of Gamma Valerolactone market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Food Grade

Industrial Grade

Segmentation by Method:

Chemical Method

Biological Method

Segmentation by Channel:

Direct Selling

Distribution

Segmentation by Application:

Food Flavors

Solvent

Monomer Intermediate

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

SODA AROMATIC

Huaye Fragrances

Langfang Haoke Technology

Chongqing Zhengyuan Fragrances

Jiangsu Qingquan Chemical

Juye Zhongyue Fragrances

Kunshan Baihua Biotechnology

Inoue Perfumery MFG

Key Questions Addressed in this Report

What is the 10-year outlook for the global Gamma Valerolactone market?

What factors are driving Gamma Valerolactone market growth, globally and by region?

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

How do Gamma Valerolactone market opportunities vary by end market size?

How does Gamma Valerolactone break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

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

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Gamma Valerolactone Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Gamma Valerolactone by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Gamma Valerolactone by Country/Region, 2021, 2025 & 2032
- 2.2 Gamma Valerolactone Segment by Type
 - 2.2.1 Food Grade
 - 2.2.2 Industrial Grade
 - 2.2.3 Gamma Valerolactone Sales by Type
 - 2.2.3.1 Global Gamma Valerolactone Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global Gamma Valerolactone Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global Gamma Valerolactone Sale Price by Type (2021-2026)
- 2.3 Gamma Valerolactone Segment by Method
 - 2.3.1 Chemical Method
 - 2.3.2 Biological Method
 - 2.3.3 Gamma Valerolactone Sales by Method
 - 2.3.3.1 Global Gamma Valerolactone Sales Market Share by Method (2021-2026)
 - 2.3.3.2 Global Gamma Valerolactone Revenue and Market Share by Method (2021-2026)
 - 2.3.3.3 Global Gamma Valerolactone Sale Price by Method (2021-2026)
- 2.4 Gamma Valerolactone Segment by Channel
 - 2.4.1 Direct Selling

2.4.2 Distribution

2.4.3 Gamma Valerolactone Sales by Channel

2.4.3.1 Global Gamma Valerolactone Sales Market Share by Channel (2021-2026)

2.4.3.2 Global Gamma Valerolactone Revenue and Market Share by Channel (2021-2026)

2.4.3.3 Global Gamma Valerolactone Sale Price by Channel (2021-2026)

2.5 Gamma Valerolactone Segment by Application

2.5.1 Food Flavors

2.5.2 Solvent

2.5.3 Monomer Intermediate

2.5.4 Others

2.5.5 Gamma Valerolactone Sales by Application

2.5.5.1 Global Gamma Valerolactone Sale Market Share by Application (2021-2026)

2.5.5.2 Global Gamma Valerolactone Revenue and Market Share by Application (2021-2026)

2.5.5.3 Global Gamma Valerolactone Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Gamma Valerolactone Breakdown Data by Company

3.1.1 Global Gamma Valerolactone Annual Sales by Company (2021-2026)

3.1.2 Global Gamma Valerolactone Sales Market Share by Company (2021-2026)

3.2 Global Gamma Valerolactone Annual Revenue by Company (2021-2026)

3.2.1 Global Gamma Valerolactone Revenue by Company (2021-2026)

3.2.2 Global Gamma Valerolactone Revenue Market Share by Company (2021-2026)

3.3 Global Gamma Valerolactone Sale Price by Company

3.4 Key Manufacturers Gamma Valerolactone Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Gamma Valerolactone Product Location Distribution

3.4.2 Players Gamma Valerolactone Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR GAMMA VALEROLACTONE BY GEOGRAPHIC REGION

4.1 World Historic Gamma Valerolactone Market Size by Geographic Region (2021-2026)

4.1.1 Global Gamma Valerolactone Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Gamma Valerolactone Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Gamma Valerolactone Market Size by Country/Region (2021-2026)

4.2.1 Global Gamma Valerolactone Annual Sales by Country/Region (2021-2026)

4.2.2 Global Gamma Valerolactone Annual Revenue by Country/Region (2021-2026)

4.3 Americas Gamma Valerolactone Sales Growth

4.4 APAC Gamma Valerolactone Sales Growth

4.5 Europe Gamma Valerolactone Sales Growth

4.6 Middle East & Africa Gamma Valerolactone Sales Growth

5 AMERICAS

5.1 Americas Gamma Valerolactone Sales by Country

5.1.1 Americas Gamma Valerolactone Sales by Country (2021-2026)

5.1.2 Americas Gamma Valerolactone Revenue by Country (2021-2026)

5.2 Americas Gamma Valerolactone Sales by Type (2021-2026)

5.3 Americas Gamma Valerolactone Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Gamma Valerolactone Sales by Region

6.1.1 APAC Gamma Valerolactone Sales by Region (2021-2026)

6.1.2 APAC Gamma Valerolactone Revenue by Region (2021-2026)

6.2 APAC Gamma Valerolactone Sales by Type (2021-2026)

6.3 APAC Gamma Valerolactone Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Gamma Valerolactone by Country

7.1.1 Europe Gamma Valerolactone Sales by Country (2021-2026)

7.1.2 Europe Gamma Valerolactone Revenue by Country (2021-2026)

7.2 Europe Gamma Valerolactone Sales by Type (2021-2026)

7.3 Europe Gamma Valerolactone Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Gamma Valerolactone by Country

8.1.1 Middle East & Africa Gamma Valerolactone Sales by Country (2021-2026)

8.1.2 Middle East & Africa Gamma Valerolactone Revenue by Country (2021-2026)

8.2 Middle East & Africa Gamma Valerolactone Sales by Type (2021-2026)

8.3 Middle East & Africa Gamma Valerolactone Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Gamma Valerolactone

10.3 Manufacturing Process Analysis of Gamma Valerolactone

10.4 Industry Chain Structure of Gamma Valerolactone

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Gamma Valerolactone Distributors

11.3 Gamma Valerolactone Customer

12 WORLD FORECAST REVIEW FOR GAMMA VALEROLACTONE BY GEOGRAPHIC REGION

12.1 Global Gamma Valerolactone Market Size Forecast by Region

12.1.1 Global Gamma Valerolactone Forecast by Region (2027-2032)

12.1.2 Global Gamma Valerolactone Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Gamma Valerolactone Forecast by Type (2027-2032)

12.7 Global Gamma Valerolactone Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 SODA AROMATIC

13.1.1 SODA AROMATIC Company Information

13.1.2 SODA AROMATIC Gamma Valerolactone Product Portfolios and Specifications

13.1.3 SODA AROMATIC Gamma Valerolactone Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 SODA AROMATIC Main Business Overview

13.1.5 SODA AROMATIC Latest Developments

13.2 Huaye Fragrances

13.2.1 Huaye Fragrances Company Information

13.2.2 Huaye Fragrances Gamma Valerolactone Product Portfolios and Specifications

13.2.3 Huaye Fragrances Gamma Valerolactone Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Huaye Fragrances Main Business Overview

13.2.5 Huaye Fragrances Latest Developments

13.3 Langfang Haoke Technology

13.3.1 Langfang Haoke Technology Company Information

13.3.2 Langfang Haoke Technology Gamma Valerolactone Product Portfolios and Specifications

13.3.3 Langfang Haoke Technology Gamma Valerolactone Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Langfang Haoke Technology Main Business Overview

13.3.5 Langfang Haoke Technology Latest Developments

13.4 Chongqing Zhengyuan Fragrances

13.4.1 Chongqing Zhengyuan Fragrances Company Information

13.4.2 Chongqing Zhengyuan Fragrances Gamma Valerolactone Product Portfolios and Specifications

13.4.3 Chongqing Zhengyuan Fragrances Gamma Valerolactone Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Chongqing Zhengyuan Fragrances Main Business Overview

13.4.5 Chongqing Zhengyuan Fragrances Latest Developments

13.5 Jiangsu Qingquan Chemical

13.5.1 Jiangsu Qingquan Chemical Company Information

13.5.2 Jiangsu Qingquan Chemical Gamma Valerolactone Product Portfolios and Specifications

13.5.3 Jiangsu Qingquan Chemical Gamma Valerolactone Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Jiangsu Qingquan Chemical Main Business Overview

13.5.5 Jiangsu Qingquan Chemical Latest Developments

13.6 Juye Zhongyue Fragrances

13.6.1 Juye Zhongyue Fragrances Company Information

13.6.2 Juye Zhongyue Fragrances Gamma Valerolactone Product Portfolios and Specifications

13.6.3 Juye Zhongyue Fragrances Gamma Valerolactone Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Juye Zhongyue Fragrances Main Business Overview

13.6.5 Juye Zhongyue Fragrances Latest Developments

13.7 Kunshan Baihua Biotechnology

13.7.1 Kunshan Baihua Biotechnology Company Information

13.7.2 Kunshan Baihua Biotechnology Gamma Valerolactone Product Portfolios and Specifications

13.7.3 Kunshan Baihua Biotechnology Gamma Valerolactone Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Kunshan Baihua Biotechnology Main Business Overview

13.7.5 Kunshan Baihua Biotechnology Latest Developments

13.8 Inoue Perfumery MFG

13.8.1 Inoue Perfumery MFG Company Information

13.8.2 Inoue Perfumery MFG Gamma Valerolactone Product Portfolios and Specifications

13.8.3 Inoue Perfumery MFG Gamma Valerolactone Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Inoue Perfumery MFG Main Business Overview

13.8.5 Inoue Perfumery MFG Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Gamma Valerolactone Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Gamma Valerolactone Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Food Grade
- Table 4. Major Players of Industrial Grade
- Table 5. Global Gamma Valerolactone Sales by Type (2021-2026) & ()
- Table 6. Global Gamma Valerolactone Sales Market Share by Type (2021-2026)
- Table 7. Global Gamma Valerolactone Revenue by Type (2021-2026) & (\$ million)
- Table 8. Global Gamma Valerolactone Revenue Market Share by Type (2021-2026)
- Table 9. Global Gamma Valerolactone Sale Price by Type (2021-2026) & (US\$/Kg)
- Table 10. Major Players of Chemical Method
- Table 11. Major Players of Biological Method
- Table 12. Global Gamma Valerolactone Sales by Method (2021-2026) & ()
- Table 13. Global Gamma Valerolactone Sales Market Share by Method (2021-2026)
- Table 14. Global Gamma Valerolactone Revenue by Method (2021-2026) & (\$ million)
- Table 15. Global Gamma Valerolactone Revenue Market Share by Method (2021-2026)
- Table 16. Global Gamma Valerolactone Sale Price by Method (2021-2026) & (US\$/Kg)
- Table 17. Major Players of Direct Selling
- Table 18. Major Players of Distribution
- Table 19. Global Gamma Valerolactone Sales by Channel (2021-2026) & ()
- Table 20. Global Gamma Valerolactone Sales Market Share by Channel (2021-2026)
- Table 21. Global Gamma Valerolactone Revenue by Channel (2021-2026) & (\$ million)
- Table 22. Global Gamma Valerolactone Revenue Market Share by Channel (2021-2026)
- Table 23. Global Gamma Valerolactone Sale Price by Channel (2021-2026) & (US\$/Kg)
- Table 24. Global Gamma Valerolactone Sale by Application (2021-2026) & ()
- Table 25. Global Gamma Valerolactone Sale Market Share by Application (2021-2026)
- Table 26. Global Gamma Valerolactone Revenue by Application (2021-2026) & (\$ million)
- Table 27. Global Gamma Valerolactone Revenue Market Share by Application (2021-2026)
- Table 28. Global Gamma Valerolactone Sale Price by Application (2021-2026) & (US\$/Kg)
- Table 29. Global Gamma Valerolactone Sales by Company (2021-2026) & ()

Table 30. Global Gamma Valerolactone Sales Market Share by Company (2021-2026)
Table 31. Global Gamma Valerolactone Revenue by Company (2021-2026) & (\$ millions)
Table 32. Global Gamma Valerolactone Revenue Market Share by Company (2021-2026)
Table 33. Global Gamma Valerolactone Sale Price by Company (2021-2026) & (US\$/Kg)
Table 34. Key Manufacturers Gamma Valerolactone Producing Area Distribution and Sales Area
Table 35. Players Gamma Valerolactone Products Offered
Table 36. Gamma Valerolactone Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
Table 37. New Products and Potential Entrants
Table 38. Market M&A Activity & Strategy
Table 39. Global Gamma Valerolactone Sales by Geographic Region (2021-2026) & ()
Table 40. Global Gamma Valerolactone Sales Market Share Geographic Region (2021-2026)
Table 41. Global Gamma Valerolactone Revenue by Geographic Region (2021-2026) & (\$ millions)
Table 42. Global Gamma Valerolactone Revenue Market Share by Geographic Region (2021-2026)
Table 43. Global Gamma Valerolactone Sales by Country/Region (2021-2026) & ()
Table 44. Global Gamma Valerolactone Sales Market Share by Country/Region (2021-2026)
Table 45. Global Gamma Valerolactone Revenue by Country/Region (2021-2026) & (\$ millions)
Table 46. Global Gamma Valerolactone Revenue Market Share by Country/Region (2021-2026)
Table 47. Americas Gamma Valerolactone Sales by Country (2021-2026) & ()
Table 48. Americas Gamma Valerolactone Sales Market Share by Country (2021-2026)
Table 49. Americas Gamma Valerolactone Revenue by Country (2021-2026) & (\$ millions)
Table 50. Americas Gamma Valerolactone Sales by Type (2021-2026) & ()
Table 51. Americas Gamma Valerolactone Sales by Application (2021-2026) & ()
Table 52. APAC Gamma Valerolactone Sales by Region (2021-2026) & ()
Table 53. APAC Gamma Valerolactone Sales Market Share by Region (2021-2026)
Table 54. APAC Gamma Valerolactone Revenue by Region (2021-2026) & (\$ millions)
Table 55. APAC Gamma Valerolactone Sales by Type (2021-2026) & ()
Table 56. APAC Gamma Valerolactone Sales by Application (2021-2026) & ()

Table 57. Europe Gamma Valerolactone Sales by Country (2021-2026) & ()
Table 58. Europe Gamma Valerolactone Revenue by Country (2021-2026) & (\$ millions)
Table 59. Europe Gamma Valerolactone Sales by Type (2021-2026) & ()
Table 60. Europe Gamma Valerolactone Sales by Application (2021-2026) & ()
Table 61. Middle East & Africa Gamma Valerolactone Sales by Country (2021-2026) & ()
Table 62. Middle East & Africa Gamma Valerolactone Revenue Market Share by Country (2021-2026)
Table 63. Middle East & Africa Gamma Valerolactone Sales by Type (2021-2026) & ()
Table 64. Middle East & Africa Gamma Valerolactone Sales by Application (2021-2026) & ()
Table 65. Key Market Drivers & Growth Opportunities of Gamma Valerolactone
Table 66. Key Market Challenges & Risks of Gamma Valerolactone
Table 67. Key Industry Trends of Gamma Valerolactone
Table 68. Gamma Valerolactone Raw Material
Table 69. Key Suppliers of Raw Materials
Table 70. Gamma Valerolactone Distributors List
Table 71. Gamma Valerolactone Customer List
Table 72. Global Gamma Valerolactone Sales Forecast by Region (2027-2032) & ()
Table 73. Global Gamma Valerolactone Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 74. Americas Gamma Valerolactone Sales Forecast by Country (2027-2032) & ()
Table 75. Americas Gamma Valerolactone Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 76. APAC Gamma Valerolactone Sales Forecast by Region (2027-2032) & ()
Table 77. APAC Gamma Valerolactone Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 78. Europe Gamma Valerolactone Sales Forecast by Country (2027-2032) & ()
Table 79. Europe Gamma Valerolactone Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 80. Middle East & Africa Gamma Valerolactone Sales Forecast by Country (2027-2032) & ()
Table 81. Middle East & Africa Gamma Valerolactone Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 82. Global Gamma Valerolactone Sales Forecast by Type (2027-2032) & ()
Table 83. Global Gamma Valerolactone Revenue Forecast by Type (2027-2032) & (\$ millions)
Table 84. Global Gamma Valerolactone Sales Forecast by Application (2027-2032) & ()

Table 85. Global Gamma Valerolactone Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 86. SODA AROMATIC Basic Information, Gamma Valerolactone Manufacturing Base, Sales Area and Its Competitors

Table 87. SODA AROMATIC Gamma Valerolactone Product Portfolios and Specifications

Table 88. SODA AROMATIC Gamma Valerolactone Sales (), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 89. SODA AROMATIC Main Business

Table 90. SODA AROMATIC Latest Developments

Table 91. Huaye Fragrances Basic Information, Gamma Valerolactone Manufacturing Base, Sales Area and Its Competitors

Table 92. Huaye Fragrances Gamma Valerolactone Product Portfolios and Specifications

Table 93. Huaye Fragrances Gamma Valerolactone Sales (), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 94. Huaye Fragrances Main Business

Table 95. Huaye Fragrances Latest Developments

Table 96. Langfang Haoke Technology Basic Information, Gamma Valerolactone Manufacturing Base, Sales Area and Its Competitors

Table 97. Langfang Haoke Technology Gamma Valerolactone Product Portfolios and Specifications

Table 98. Langfang Haoke Technology Gamma Valerolactone Sales (), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 99. Langfang Haoke Technology Main Business

Table 100. Langfang Haoke Technology Latest Developments

Table 101. Chongqing Zhengyuan Fragrances Basic Information, Gamma Valerolactone Manufacturing Base, Sales Area and Its Competitors

Table 102. Chongqing Zhengyuan Fragrances Gamma Valerolactone Product Portfolios and Specifications

Table 103. Chongqing Zhengyuan Fragrances Gamma Valerolactone Sales (), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 104. Chongqing Zhengyuan Fragrances Main Business

Table 105. Chongqing Zhengyuan Fragrances Latest Developments

Table 106. Jiangsu Qingquan Chemical Basic Information, Gamma Valerolactone Manufacturing Base, Sales Area and Its Competitors

Table 107. Jiangsu Qingquan Chemical Gamma Valerolactone Product Portfolios and Specifications

Table 108. Jiangsu Qingquan Chemical Gamma Valerolactone Sales (), Revenue (\$

Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 109. Jiangsu Qingquan Chemical Main Business

Table 110. Jiangsu Qingquan Chemical Latest Developments

Table 111. Juye Zhongyue Fragrances Basic Information, Gamma Valerolactone Manufacturing Base, Sales Area and Its Competitors

Table 112. Juye Zhongyue Fragrances Gamma Valerolactone Product Portfolios and Specifications

Table 113. Juye Zhongyue Fragrances Gamma Valerolactone Sales (), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 114. Juye Zhongyue Fragrances Main Business

Table 115. Juye Zhongyue Fragrances Latest Developments

Table 116. Kunshan Baihua Biotechnology Basic Information, Gamma Valerolactone Manufacturing Base, Sales Area and Its Competitors

Table 117. Kunshan Baihua Biotechnology Gamma Valerolactone Product Portfolios and Specifications

Table 118. Kunshan Baihua Biotechnology Gamma Valerolactone Sales (), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 119. Kunshan Baihua Biotechnology Main Business

Table 120. Kunshan Baihua Biotechnology Latest Developments

Table 121. Inoue Perfumery MFG Basic Information, Gamma Valerolactone Manufacturing Base, Sales Area and Its Competitors

Table 122. Inoue Perfumery MFG Gamma Valerolactone Product Portfolios and Specifications

Table 123. Inoue Perfumery MFG Gamma Valerolactone Sales (), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 124. Inoue Perfumery MFG Main Business

Table 125. Inoue Perfumery MFG Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Gamma Valerolactone
- Figure 2. Gamma Valerolactone Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Gamma Valerolactone Sales Growth Rate 2021-2032 (%)
- Figure 7. Global Gamma Valerolactone Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Gamma Valerolactone Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Gamma Valerolactone Sales Market Share by Country/Region (2025)
- Figure 10. Gamma Valerolactone Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Food Grade
- Figure 12. Product Picture of Industrial Grade
- Figure 13. Global Gamma Valerolactone Sales Market Share by Type in 2026
- Figure 14. Global Gamma Valerolactone Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of Chemical Method
- Figure 16. Product Picture of Biological Method
- Figure 17. Global Gamma Valerolactone Sales Market Share by Method in 2026
- Figure 18. Global Gamma Valerolactone Revenue Market Share by Method (2021-2026)
- Figure 19. Product Picture of Direct Selling
- Figure 20. Product Picture of Distribution
- Figure 21. Global Gamma Valerolactone Sales Market Share by Channel in 2026
- Figure 22. Global Gamma Valerolactone Revenue Market Share by Channel (2021-2026)
- Figure 23. Gamma Valerolactone Consumed in Food Flavors
- Figure 24. Global Gamma Valerolactone Market: Food Flavors (2021-2026) & (%)
- Figure 25. Gamma Valerolactone Consumed in Solvent
- Figure 26. Global Gamma Valerolactone Market: Solvent (2021-2026) & (%)
- Figure 27. Gamma Valerolactone Consumed in Monomer Intermediate
- Figure 28. Global Gamma Valerolactone Market: Monomer Intermediate (2021-2026) & (%)
- Figure 29. Gamma Valerolactone Consumed in Others
- Figure 30. Global Gamma Valerolactone Market: Others (2021-2026) & (%)

- Figure 31. Global Gamma Valerolactone Sale Market Share by Application (2025)
- Figure 32. Global Gamma Valerolactone Revenue Market Share by Application in 2025
- Figure 33. Gamma Valerolactone Sales by Company in 2025 ()
- Figure 34. Global Gamma Valerolactone Sales Market Share by Company in 2025
- Figure 35. Gamma Valerolactone Revenue by Company in 2025 (\$ millions)
- Figure 36. Global Gamma Valerolactone Revenue Market Share by Company in 2025
- Figure 37. Global Gamma Valerolactone Sales Market Share by Geographic Region (2021-2026)
- Figure 38. Global Gamma Valerolactone Revenue Market Share by Geographic Region in 2025
- Figure 39. Americas Gamma Valerolactone Sales 2021-2026 ()
- Figure 40. Americas Gamma Valerolactone Revenue 2021-2026 (\$ millions)
- Figure 41. APAC Gamma Valerolactone Sales 2021-2026 ()
- Figure 42. APAC Gamma Valerolactone Revenue 2021-2026 (\$ millions)
- Figure 43. Europe Gamma Valerolactone Sales 2021-2026 ()
- Figure 44. Europe Gamma Valerolactone Revenue 2021-2026 (\$ millions)
- Figure 45. Middle East & Africa Gamma Valerolactone Sales 2021-2026 ()
- Figure 46. Middle East & Africa Gamma Valerolactone Revenue 2021-2026 (\$ millions)
- Figure 47. Americas Gamma Valerolactone Sales Market Share by Country in 2025
- Figure 48. Americas Gamma Valerolactone Revenue Market Share by Country (2021-2026)
- Figure 49. Americas Gamma Valerolactone Sales Market Share by Type (2021-2026)
- Figure 50. Americas Gamma Valerolactone Sales Market Share by Application (2021-2026)
- Figure 51. United States Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)
- Figure 52. Canada Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)
- Figure 53. Mexico Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)
- Figure 54. Brazil Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)
- Figure 55. APAC Gamma Valerolactone Sales Market Share by Region in 2025
- Figure 56. APAC Gamma Valerolactone Revenue Market Share by Region (2021-2026)
- Figure 57. APAC Gamma Valerolactone Sales Market Share by Type (2021-2026)
- Figure 58. APAC Gamma Valerolactone Sales Market Share by Application (2021-2026)
- Figure 59. China Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)
- Figure 60. Japan Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)
- Figure 61. South Korea Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)
- Figure 62. Southeast Asia Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)
- Figure 63. India Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 64. Australia Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 65. China Taiwan Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 66. Europe Gamma Valerolactone Sales Market Share by Country in 2025

Figure 67. Europe Gamma Valerolactone Revenue Market Share by Country (2021-2026)

Figure 68. Europe Gamma Valerolactone Sales Market Share by Type (2021-2026)

Figure 69. Europe Gamma Valerolactone Sales Market Share by Application (2021-2026)

Figure 70. Germany Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 71. France Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 72. UK Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 73. Italy Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 74. Russia Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 75. Middle East & Africa Gamma Valerolactone Sales Market Share by Country (2021-2026)

Figure 76. Middle East & Africa Gamma Valerolactone Sales Market Share by Type (2021-2026)

Figure 77. Middle East & Africa Gamma Valerolactone Sales Market Share by Application (2021-2026)

Figure 78. Egypt Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 79. South Africa Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 80. Israel Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 81. Turkey Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 82. GCC Countries Gamma Valerolactone Revenue Growth 2021-2026 (\$ millions)

Figure 83. Manufacturing Cost Structure Analysis of Gamma Valerolactone in 2026

Figure 84. Manufacturing Process Analysis of Gamma Valerolactone

Figure 85. Industry Chain Structure of Gamma Valerolactone

Figure 86. Channels of Distribution

Figure 87. Global Gamma Valerolactone Sales Market Forecast by Region (2027-2032)

Figure 88. Global Gamma Valerolactone Revenue Market Share Forecast by Region (2027-2032)

Figure 89. Global Gamma Valerolactone Sales Market Share Forecast by Type (2027-2032)

Figure 90. Global Gamma Valerolactone Revenue Market Share Forecast by Type (2027-2032)

Figure 91. Global Gamma Valerolactone Sales Market Share Forecast by Application (2027-2032)

Figure 92. Global Gamma Valerolactone Revenue Market Share Forecast by Application (2027-2032)

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