

# Global Gamma Valerolactone Market Report 2019, Competitive Landscape, Trends and Opportunities

<https://marketpublishers.com/r/G321D3F557D4EN.html>

Date: December 2019

Pages: 139

Price: US\$ 2,950.00 (Single User License)

ID: G321D3F557D4EN

## Abstracts

The Gamma Valerolactone market has witnessed growth from USD XX million to USD XX million from 2014 to 2019. With the CAGR of X.X%, this market is estimated to reach USD XX million in 2026.

The report mainly studies the size, recent trends and development status of the Gamma Valerolactone market, as well as investment opportunities, government policy, market dynamics (drivers, restraints, opportunities), supply chain and competitive landscape. Technological innovation and advancement will further optimize the performance of the product, making it more widely used in downstream applications. Moreover, Porter's Five Forces Analysis (potential entrants, suppliers, substitutes, buyers, industry competitors) provides crucial information for knowing the Gamma Valerolactone market.

Major players in the global Gamma Valerolactone market include:

Anhui Hyea Aromas

Kunshan Qiandeng Baihua

The Good Scents Company

SpectraBase

Zhongyue Aroma

Sigma-Aldrich

Inoue Perfumery MFG

Dideu Industries

Soda Aromatic

On the basis of types, the Gamma Valerolactone market is primarily split into:

Food Grade

Industrial Grade

On the basis of applications, the market covers:

Food Flavors

Solvent

Monomer Intermediate

Others

Geographically, the report includes the research on production, consumption, revenue, market share and growth rate, and forecast (2014-2026) of the following regions:

United States

Europe (Germany, UK, France, Italy, Spain, Russia, Poland)

China

Japan

India

Southeast Asia (Malaysia, Singapore, Philippines, Indonesia, Thailand, Vietnam)

Central and South America (Brazil, Mexico, Colombia)

Middle East and Africa (Saudi Arabia, United Arab Emirates, Turkey, Egypt, South Africa, Nigeria)

Other Regions

Chapter 1 provides an overview of Gamma Valerolactone market, containing global revenue, global production, sales, and CAGR. The forecast and analysis of Gamma Valerolactone market by type, application, and region are also presented in this chapter.

Chapter 2 is about the market landscape and major players. It provides competitive situation and market concentration status along with the basic information of these players.

Chapter 3 provides a full-scale analysis of major players in Gamma Valerolactone industry. The basic information, as well as the profiles, applications and specifications of products market performance along with Business Overview are offered.

Chapter 4 gives a worldwide view of Gamma Valerolactone market. It includes production, market share revenue, price, and the growth rate by type.

Chapter 5 focuses on the application of Gamma Valerolactone, by analyzing the consumption and its growth rate of each application.

Chapter 6 is about production, consumption, export, and import of Gamma

Valerolactone in each region.

Chapter 7 pays attention to the production, revenue, price and gross margin of Gamma Valerolactone in markets of different regions. The analysis on production, revenue, price and gross margin of the global market is covered in this part.

Chapter 8 concentrates on manufacturing analysis, including key raw material analysis, cost structure analysis and process analysis, making up a comprehensive analysis of manufacturing cost.

Chapter 9 introduces the industrial chain of Gamma Valerolactone. Industrial chain analysis, raw material sources and downstream buyers are analyzed in this chapter.

Chapter 10 provides clear insights into market dynamics.

Chapter 11 prospects the whole Gamma Valerolactone market, including the global production and revenue forecast, regional forecast. It also foresees the Gamma Valerolactone market by type and application.

Chapter 12 concludes the research findings and refines all the highlights of the study.

Chapter 13 introduces the research methodology and sources of research data for your understanding.

Years considered for this report:

Historical Years: 2014-2018

Base Year: 2019

Estimated Year: 2019

Forecast Period: 2019-2026

## Contents

### 1 GAMMA VALEROLACTONE MARKET OVERVIEW

#### 1.1 Product Overview and Scope of Gamma Valerolactone

#### 1.2 Gamma Valerolactone Segment by Type

##### 1.2.1 Global Gamma Valerolactone Production and CAGR (%) Comparison by Type (2014-2026)

##### 1.2.2 The Market Profile of Food Grade

##### 1.2.3 The Market Profile of Industrial Grade

#### 1.3 Global Gamma Valerolactone Segment by Application

##### 1.3.1 Gamma Valerolactone Consumption (Sales) Comparison by Application (2014-2026)

##### 1.3.2 The Market Profile of Food Flavors

##### 1.3.3 The Market Profile of Solvent

##### 1.3.4 The Market Profile of Monomer Intermediate

##### 1.3.5 The Market Profile of Others

#### 1.4 Global Gamma Valerolactone Market by Region (2014-2026)

##### 1.4.1 Global Gamma Valerolactone Market Size (Value) and CAGR (%) Comparison by Region (2014-2026)

##### 1.4.2 United States Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.3 Europe Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.3.1 Germany Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.3.2 UK Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.3.3 France Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.3.4 Italy Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.3.5 Spain Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.3.6 Russia Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.3.7 Poland Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.4 China Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.5 Japan Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.6 India Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.7 Southeast Asia Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.7.1 Malaysia Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.7.2 Singapore Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.7.3 Philippines Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.7.4 Indonesia Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.7.5 Thailand Gamma Valerolactone Market Status and Prospect (2014-2026)

##### 1.4.7.6 Vietnam Gamma Valerolactone Market Status and Prospect (2014-2026)

#### 1.4.8 Central and South America Gamma Valerolactone Market Status and Prospect (2014-2026)

1.4.8.1 Brazil Gamma Valerolactone Market Status and Prospect (2014-2026)

1.4.8.2 Mexico Gamma Valerolactone Market Status and Prospect (2014-2026)

1.4.8.3 Colombia Gamma Valerolactone Market Status and Prospect (2014-2026)

#### 1.4.9 Middle East and Africa Gamma Valerolactone Market Status and Prospect (2014-2026)

1.4.9.1 Saudi Arabia Gamma Valerolactone Market Status and Prospect (2014-2026)

#### 1.4.9.2 United Arab Emirates Gamma Valerolactone Market Status and Prospect (2014-2026)

1.4.9.3 Turkey Gamma Valerolactone Market Status and Prospect (2014-2026)

1.4.9.4 Egypt Gamma Valerolactone Market Status and Prospect (2014-2026)

1.4.9.5 South Africa Gamma Valerolactone Market Status and Prospect (2014-2026)

1.4.9.6 Nigeria Gamma Valerolactone Market Status and Prospect (2014-2026)

#### 1.5 Global Market Size (Value) of Gamma Valerolactone (2014-2026)

1.5.1 Global Gamma Valerolactone Revenue Status and Outlook (2014-2026)

1.5.2 Global Gamma Valerolactone Production Status and Outlook (2014-2026)

## 2 GLOBAL GAMMA VALEROLACTONE MARKET LANDSCAPE BY PLAYER

2.1 Global Gamma Valerolactone Production and Share by Player (2014-2019)

2.2 Global Gamma Valerolactone Revenue and Market Share by Player (2014-2019)

2.3 Global Gamma Valerolactone Average Price by Player (2014-2019)

2.4 Gamma Valerolactone Manufacturing Base Distribution, Sales Area and Product Type by Player

2.5 Gamma Valerolactone Market Competitive Situation and Trends

2.5.1 Gamma Valerolactone Market Concentration Rate

2.5.2 Gamma Valerolactone Market Share of Top 3 and Top 6 Players

2.5.3 Mergers & Acquisitions, Expansion

## 3 PLAYERS PROFILES

3.1 Anhui Hyea Aromas

3.1.1 Anhui Hyea Aromas Basic Information, Manufacturing Base, Sales Area and Competitors

3.1.2 Gamma Valerolactone Product Profiles, Application and Specification

3.1.3 Anhui Hyea Aromas Gamma Valerolactone Market Performance (2014-2019)

3.1.4 Anhui Hyea Aromas Business Overview

3.2 Kunshan Qiandeng Baihua

3.2.1 Kunshan Qiandeng Baihua Basic Information, Manufacturing Base, Sales Area and Competitors

3.2.2 Gamma Valerolactone Product Profiles, Application and Specification

3.2.3 Kunshan Qiandeng Baihua Gamma Valerolactone Market Performance (2014-2019)

3.2.4 Kunshan Qiandeng Baihua Business Overview

3.3 The Good Scents Company

3.3.1 The Good Scents Company Basic Information, Manufacturing Base, Sales Area and Competitors

3.3.2 Gamma Valerolactone Product Profiles, Application and Specification

3.3.3 The Good Scents Company Gamma Valerolactone Market Performance (2014-2019)

3.3.4 The Good Scents Company Business Overview

3.4 SpectraBase

3.4.1 SpectraBase Basic Information, Manufacturing Base, Sales Area and Competitors

3.4.2 Gamma Valerolactone Product Profiles, Application and Specification

3.4.3 SpectraBase Gamma Valerolactone Market Performance (2014-2019)

3.4.4 SpectraBase Business Overview

3.5 Zhongyue Aroma

3.5.1 Zhongyue Aroma Basic Information, Manufacturing Base, Sales Area and Competitors

3.5.2 Gamma Valerolactone Product Profiles, Application and Specification

3.5.3 Zhongyue Aroma Gamma Valerolactone Market Performance (2014-2019)

3.5.4 Zhongyue Aroma Business Overview

3.6 Sigma-Aldrich

3.6.1 Sigma-Aldrich Basic Information, Manufacturing Base, Sales Area and Competitors

3.6.2 Gamma Valerolactone Product Profiles, Application and Specification

3.6.3 Sigma-Aldrich Gamma Valerolactone Market Performance (2014-2019)

3.6.4 Sigma-Aldrich Business Overview

3.7 Inoue Perfumery MFG

3.7.1 Inoue Perfumery MFG Basic Information, Manufacturing Base, Sales Area and Competitors

3.7.2 Gamma Valerolactone Product Profiles, Application and Specification

3.7.3 Inoue Perfumery MFG Gamma Valerolactone Market Performance (2014-2019)

3.7.4 Inoue Perfumery MFG Business Overview

3.8 Dideu Industries

3.8.1 Dideu Industries Basic Information, Manufacturing Base, Sales Area and

## Competitors

- 3.8.2 Gamma Valerolactone Product Profiles, Application and Specification
- 3.8.3 Dideu Industries Gamma Valerolactone Market Performance (2014-2019)
- 3.8.4 Dideu Industries Business Overview

## 3.9 Soda Aromatic

- 3.9.1 Soda Aromatic Basic Information, Manufacturing Base, Sales Area and

## Competitors

- 3.9.2 Gamma Valerolactone Product Profiles, Application and Specification
- 3.9.3 Soda Aromatic Gamma Valerolactone Market Performance (2014-2019)
- 3.9.4 Soda Aromatic Business Overview

## **4 GLOBAL GAMMA VALEROLACTONE PRODUCTION, REVENUE (VALUE), PRICE TREND BY TYPE**

- 4.1 Global Gamma Valerolactone Production and Market Share by Type (2014-2019)
- 4.2 Global Gamma Valerolactone Revenue and Market Share by Type (2014-2019)
- 4.3 Global Gamma Valerolactone Price by Type (2014-2019)
- 4.4 Global Gamma Valerolactone Production Growth Rate by Type (2014-2019)
  - 4.4.1 Global Gamma Valerolactone Production Growth Rate of Food Grade (2014-2019)
  - 4.4.2 Global Gamma Valerolactone Production Growth Rate of Industrial Grade (2014-2019)

## **5 GLOBAL GAMMA VALEROLACTONE MARKET ANALYSIS BY APPLICATION**

- 5.1 Global Gamma Valerolactone Consumption and Market Share by Application (2014-2019)
- 5.2 Global Gamma Valerolactone Consumption Growth Rate by Application (2014-2019)
  - 5.2.1 Global Gamma Valerolactone Consumption Growth Rate of Food Flavors (2014-2019)
  - 5.2.2 Global Gamma Valerolactone Consumption Growth Rate of Solvent (2014-2019)
  - 5.2.3 Global Gamma Valerolactone Consumption Growth Rate of Monomer Intermediate (2014-2019)
  - 5.2.4 Global Gamma Valerolactone Consumption Growth Rate of Others (2014-2019)

## **6 GLOBAL GAMMA VALEROLACTONE PRODUCTION, CONSUMPTION, EXPORT, IMPORT BY REGION (2014-2019)**

- 6.1 Global Gamma Valerolactone Consumption by Region (2014-2019)
- 6.2 United States Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)
- 6.3 Europe Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)
- 6.4 China Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)
- 6.5 Japan Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)
- 6.6 India Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)
- 6.7 Southeast Asia Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)
- 6.8 Central and South America Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)
- 6.9 Middle East and Africa Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)

## **7 GLOBAL GAMMA VALEROLACTONE PRODUCTION, REVENUE (VALUE) BY REGION (2014-2019)**

- 7.1 Global Gamma Valerolactone Production and Market Share by Region (2014-2019)
- 7.2 Global Gamma Valerolactone Revenue (Value) and Market Share by Region (2014-2019)
- 7.3 Global Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)
- 7.4 United States Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)
- 7.5 Europe Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)
- 7.6 China Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)
- 7.7 Japan Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)
- 7.8 India Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)
- 7.9 Southeast Asia Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)
- 7.10 Central and South America Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)
- 7.11 Middle East and Africa Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)



## **8 GAMMA VALEROLACTONE MANUFACTURING ANALYSIS**

### 8.1 Gamma Valerolactone Key Raw Materials Analysis

- 8.1.1 Key Raw Materials Introduction
- 8.1.2 Price Trend of Key Raw Materials
- 8.1.3 Key Suppliers of Raw Materials
- 8.1.4 Market Concentration Rate of Raw Materials

### 8.2 Manufacturing Cost Analysis

- 8.2.1 Labor Cost Analysis
- 8.2.2 Manufacturing Cost Structure Analysis

### 8.3 Manufacturing Process Analysis of Gamma Valerolactone

## **9 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS**

### 9.1 Gamma Valerolactone Industrial Chain Analysis

### 9.2 Raw Materials Sources of Gamma Valerolactone Major Players in 2018

### 9.3 Downstream Buyers

## **10 MARKET DYNAMICS**

### 10.1 Drivers

### 10.2 Restraints

### 10.3 Opportunities

- 10.3.1 Advances in Innovation and Technology for Gamma Valerolactone
- 10.3.2 Increased Demand in Emerging Markets

### 10.4 Challenges

- 10.4.1 The Performance of Alternative Product Type is Getting Better and Better
- 10.4.2 Price Variance Caused by Fluctuations in Raw Material Prices

### 10.5 Porter's Five Forces Analysis

- 10.5.1 Threat of New Entrants
- 10.5.2 Threat of Substitutes
- 10.5.3 Bargaining Power of Suppliers
- 10.5.4 Bargaining Power of Buyers
- 10.5.5 Intensity of Competitive Rivalry

## **11 GLOBAL GAMMA VALEROLACTONE MARKET FORECAST (2019-2026)**

### 11.1 Global Gamma Valerolactone Production, Revenue Forecast (2019-2026)

- 11.1.1 Global Gamma Valerolactone Production and Growth Rate Forecast (2019-2026)
- 11.1.2 Global Gamma Valerolactone Revenue and Growth Rate Forecast (2019-2026)
- 11.1.3 Global Gamma Valerolactone Price and Trend Forecast (2019-2026)
- 11.2 Global Gamma Valerolactone Production, Consumption, Export and Import Forecast by Region (2019-2026)
  - 11.2.1 United States Gamma Valerolactone Production, Consumption, Export and Import Forecast (2019-2026)
  - 11.2.2 Europe Gamma Valerolactone Production, Consumption, Export and Import Forecast (2019-2026)
  - 11.2.3 China Gamma Valerolactone Production, Consumption, Export and Import Forecast (2019-2026)
  - 11.2.4 Japan Gamma Valerolactone Production, Consumption, Export and Import Forecast (2019-2026)
  - 11.2.5 India Gamma Valerolactone Production, Consumption, Export and Import Forecast (2019-2026)
  - 11.2.6 Southeast Asia Gamma Valerolactone Production, Consumption, Export and Import Forecast (2019-2026)
  - 11.2.7 Central and South America Gamma Valerolactone Production, Consumption, Export and Import Forecast (2019-2026)
  - 11.2.8 Middle East and Africa Gamma Valerolactone Production, Consumption, Export and Import Forecast (2019-2026)
- 11.3 Global Gamma Valerolactone Production, Revenue and Price Forecast by Type (2019-2026)
- 11.4 Global Gamma Valerolactone Consumption Forecast by Application (2019-2026)

## **12 RESEARCH FINDINGS AND CONCLUSION**

## **13 APPENDIX**

- 13.1 Methodology
- 13.2 Research Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

- Figure Gamma Valerolactone Product Picture
- Table Global Gamma Valerolactone Production and CAGR (%) Comparison by Type
- Table Profile of Food Grade
- Table Profile of Industrial Grade
- Table Gamma Valerolactone Consumption (Sales) Comparison by Application (2014-2026)
- Table Profile of Food Flavors
- Table Profile of Solvent
- Table Profile of Monomer Intermediate
- Table Profile of Others
- Figure Global Gamma Valerolactone Market Size (Value) and CAGR (%) (2014-2026)
- Figure United States Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Europe Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Germany Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure UK Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure France Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Italy Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Spain Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Russia Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Poland Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure China Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Japan Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure India Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Southeast Asia Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Malaysia Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Singapore Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Philippines Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Indonesia Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Thailand Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Vietnam Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Central and South America Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Brazil Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Mexico Gamma Valerolactone Revenue and Growth Rate (2014-2026)
- Figure Colombia Gamma Valerolactone Revenue and Growth Rate (2014-2026)

Figure Middle East and Africa Gamma Valerolactone Revenue and Growth Rate (2014-2026)

Figure Saudi Arabia Gamma Valerolactone Revenue and Growth Rate (2014-2026)

Figure United Arab Emirates Gamma Valerolactone Revenue and Growth Rate (2014-2026)

Figure Turkey Gamma Valerolactone Revenue and Growth Rate (2014-2026)

Figure Egypt Gamma Valerolactone Revenue and Growth Rate (2014-2026)

Figure South Africa Gamma Valerolactone Revenue and Growth Rate (2014-2026)

Figure Nigeria Gamma Valerolactone Revenue and Growth Rate (2014-2026)

Figure Global Gamma Valerolactone Production Status and Outlook (2014-2026)

Table Global Gamma Valerolactone Production by Player (2014-2019)

Table Global Gamma Valerolactone Production Share by Player (2014-2019)

Figure Global Gamma Valerolactone Production Share by Player in 2018

Table Gamma Valerolactone Revenue by Player (2014-2019)

Table Gamma Valerolactone Revenue Market Share by Player (2014-2019)

Table Gamma Valerolactone Price by Player (2014-2019)

Table Gamma Valerolactone Manufacturing Base Distribution and Sales Area by Player

Table Gamma Valerolactone Product Type by Player

Table Mergers & Acquisitions, Expansion Plans

Table Anhui Hyea Aromas Profile

Table Anhui Hyea Aromas Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Kunshan Qiandeng Baihua Profile

Table Kunshan Qiandeng Baihua Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table The Good Scents Company Profile

Table The Good Scents Company Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table SpectraBase Profile

Table SpectraBase Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Zhongyue Aroma Profile

Table Zhongyue Aroma Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Sigma-Aldrich Profile

Table Sigma-Aldrich Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Inoue Perfumery MFG Profile

Table Inoue Perfumery MFG Gamma Valerolactone Production, Revenue, Price and

Gross Margin (2014-2019)

Table Dideu Industries Profile

Table Dideu Industries Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Soda Aromatic Profile

Table Soda Aromatic Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Global Gamma Valerolactone Production by Type (2014-2019)

Table Global Gamma Valerolactone Production Market Share by Type (2014-2019)

Figure Global Gamma Valerolactone Production Market Share by Type in 2018

Table Global Gamma Valerolactone Revenue by Type (2014-2019)

Table Global Gamma Valerolactone Revenue Market Share by Type (2014-2019)

Figure Global Gamma Valerolactone Revenue Market Share by Type in 2018

Table Gamma Valerolactone Price by Type (2014-2019)

Figure Global Gamma Valerolactone Production Growth Rate of Food Grade (2014-2019)

Figure Global Gamma Valerolactone Production Growth Rate of Industrial Grade (2014-2019)

Table Global Gamma Valerolactone Consumption by Application (2014-2019)

Table Global Gamma Valerolactone Consumption Market Share by Application (2014-2019)

Table Global Gamma Valerolactone Consumption of Food Flavors (2014-2019)

Table Global Gamma Valerolactone Consumption of Solvent (2014-2019)

Table Global Gamma Valerolactone Consumption of Monomer Intermediate (2014-2019)

Table Global Gamma Valerolactone Consumption of Others (2014-2019)

Table Global Gamma Valerolactone Consumption by Region (2014-2019)

Table Global Gamma Valerolactone Consumption Market Share by Region (2014-2019)

Table United States Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)

Table Europe Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)

Table China Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)

Table Japan Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)

Table India Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)

Table Southeast Asia Gamma Valerolactone Production, Consumption, Export, Import

(2014-2019)

Table Central and South America Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)

Table Middle East and Africa Gamma Valerolactone Production, Consumption, Export, Import (2014-2019)

Table Global Gamma Valerolactone Production by Region (2014-2019)

Table Global Gamma Valerolactone Production Market Share by Region (2014-2019)

Figure Global Gamma Valerolactone Production Market Share by Region (2014-2019)

Figure Global Gamma Valerolactone Production Market Share by Region in 2018

Table Global Gamma Valerolactone Revenue by Region (2014-2019)

Table Global Gamma Valerolactone Revenue Market Share by Region (2014-2019)

Figure Global Gamma Valerolactone Revenue Market Share by Region (2014-2019)

Figure Global Gamma Valerolactone Revenue Market Share by Region in 2018

Table Global Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table United States Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Europe Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table China Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Japan Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table India Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Southeast Asia Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Central and South America Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Middle East and Africa Gamma Valerolactone Production, Revenue, Price and Gross Margin (2014-2019)

Table Key Raw Materials Introduction of Gamma Valerolactone

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Market Concentration Rate of Raw Materials

Figure Manufacturing Cost Structure Analysis

Figure Manufacturing Process Analysis of Gamma Valerolactone

Figure Gamma Valerolactone Industrial Chain Analysis

Table Raw Materials Sources of Gamma Valerolactone Major Players in 2018

Table Downstream Buyers

Figure Global Gamma Valerolactone Production and Growth Rate Forecast  
(2019-2026)

Figure Global Gamma Valerolactone Revenue and Growth Rate Forecast (2019-2026)

Figure Global Gamma Valerolactone Price and Trend Forecast (2019-2026)

Table United States Gamma Valerolactone Production, Consumption, Export and  
Import Forecast (2019-2026)

Table Europe Gamma Valerolactone Production, Consumption, Export and Import  
Forecast (2019-2026)

Table China Gamma Valerolactone Production, Consumption, Export and Import  
Forecast (2019-2026)

Table Japan Gamma Valerolactone Production, Consumption, Export and Import  
Forecast (2019-2026)

Table India Gamma Valerolactone Production, Consumption, Export and Import  
Forecast (2019-2026)

Table Southeast Asia Gamma Valerolactone Production, Consumption, Export and  
Import Forecast (2019-2026)

Table Southeast Asia Gamma Valerolactone Production, Consumption, Export and  
Import Forecast (2019-2026)

Table Middle East and Africa Gamma Valerolactone Production, Consumption, Export  
and Import Forecast (2019-2026)

Table Global Gamma Valerolactone Market Production Forecast, by Type

Table Global Gamma Valerolactone Production Volume Market Share Forecast, by  
Type

Table Global Gamma Valerolactone Market Revenue Forecast, by Type

Table Global Gamma Valerolactone Revenue Market Share Forecast, by Type

Table Global Gamma Valerolactone Price Forecast, by Type

Table Global Gamma Valerolactone Market Production Forecast, by Application

Table Global Gamma Valerolactone Production Volume Market Share Forecast, by  
Application

Table Global Gamma Valerolactone Market Revenue Forecast, by Application

Table Global Gamma Valerolactone Revenue Market Share Forecast, by Application

Table Global Gamma Valerolactone Price Forecast, by Application

## I would like to order

Product name: Global Gamma Valerolactone Market Report 2019, Competitive Landscape, Trends and Opportunities

Product link: <https://marketpublishers.com/r/G321D3F557D4EN.html>

Price: US\$ 2,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G321D3F557D4EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970



