

Global Food Grade Gamma-undecalactone Supply, Demand and Key Producers, 2024-2030

<https://marketpublishers.com/r/G668790C23D2EN.html>

Date: February 2024

Pages: 102

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

ID: G668790C23D2EN

Abstracts

The global Food Grade Gamma-undecalactone market size is expected to reach \$ 430.6 million by 2030, rising at a market growth of 3.0% CAGR during the forecast period (2024-2030).

Food-grade Gamma-undecalactone is a compound widely used in the food and flavor industry. In the market, the product has shown a steady growth trend in recent years, gradually expanding its market size. Due to its distinctive peach, creamy, and fruity aroma, Food-grade Gamma-undecalactone is extensively utilized as a flavoring and fragrance agent in food processing, imparting unique tastes to a variety of products. With the ongoing pursuit of natural flavors and continuous innovation in the food industry, this market is expected to sustain its development, presenting further opportunities for innovation in the food and flavor industry.

Gamma-undecalactone (CAS104-67-6) is a lactone, a type of cyclic ester, and its chemical structure includes a lactone ring with an alkyl chain. It is characterized by its distinct peach-like aroma, making it a valuable component in the flavor and fragrance industry.

This report studies the global Food Grade Gamma-undecalactone production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Food Grade Gamma-undecalactone, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Food Grade Gamma-undecalactone that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Food Grade Gamma-undecalactone total production and demand, 2019-2030, (Tons)

Global Food Grade Gamma-undecalactone total production value, 2019-2030, (USD Million)

Global Food Grade Gamma-undecalactone production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (Tons)

Global Food Grade Gamma-undecalactone consumption by region & country, CAGR, 2019-2030 & (Tons)

U.S. VS China: Food Grade Gamma-undecalactone domestic production, consumption, key domestic manufacturers and share

Global Food Grade Gamma-undecalactone production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (Tons)

Global Food Grade Gamma-undecalactone production by Type, production, value, CAGR, 2019-2030, (USD Million) & (Tons)

Global Food Grade Gamma-undecalactone production by Application production, value, CAGR, 2019-2030, (USD Million) & (Tons).

This reports profiles key players in the global Food Grade Gamma-undecalactone market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kao Chemicals, Soda Aromatic, Anhui Hyea Aromas, Shanghai Huasheng Aromatic Chemical and Kunshan Qiandeng Baihua Perfumery, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Food Grade Gamma-undecalactone market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Food Grade Gamma-undecalactone Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Food Grade Gamma-undecalactone Market, Segmentation by Type

Purity ?98%

Purity ?99%

Other

Global Food Grade Gamma-undecalactone Market, Segmentation by Application

Baked Goods

Confectionery

Beverages

Others

Companies Profiled:

Kao Chemicals

Soda Aromatic

Anhui Hyea Aromas

Shanghai Huasheng Aromatic Chemical

Kunshan Qiandeng Baihua Perfumery

Key Questions Answered

1. How big is the global Food Grade Gamma-undecalactone market?
2. What is the demand of the global Food Grade Gamma-undecalactone market?
3. What is the year over year growth of the global Food Grade Gamma-undecalactone market?
4. What is the production and production value of the global Food Grade Gamma-undecalactone market?
5. Who are the key producers in the global Food Grade Gamma-undecalactone market?

Contents

1 SUPPLY SUMMARY

- 1.1 Food Grade Gamma-undecalactone Introduction
- 1.2 World Food Grade Gamma-undecalactone Supply & Forecast
 - 1.2.1 World Food Grade Gamma-undecalactone Production Value (2019 & 2023 & 2030)
 - 1.2.2 World Food Grade Gamma-undecalactone Production (2019-2030)
 - 1.2.3 World Food Grade Gamma-undecalactone Pricing Trends (2019-2030)
- 1.3 World Food Grade Gamma-undecalactone Production by Region (Based on Production Site)
 - 1.3.1 World Food Grade Gamma-undecalactone Production Value by Region (2019-2030)
 - 1.3.2 World Food Grade Gamma-undecalactone Production by Region (2019-2030)
 - 1.3.3 World Food Grade Gamma-undecalactone Average Price by Region (2019-2030)
 - 1.3.4 North America Food Grade Gamma-undecalactone Production (2019-2030)
 - 1.3.5 Europe Food Grade Gamma-undecalactone Production (2019-2030)
 - 1.3.6 China Food Grade Gamma-undecalactone Production (2019-2030)
 - 1.3.7 Japan Food Grade Gamma-undecalactone Production (2019-2030)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Food Grade Gamma-undecalactone Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Food Grade Gamma-undecalactone Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Food Grade Gamma-undecalactone Demand (2019-2030)
- 2.2 World Food Grade Gamma-undecalactone Consumption by Region
 - 2.2.1 World Food Grade Gamma-undecalactone Consumption by Region (2019-2024)
 - 2.2.2 World Food Grade Gamma-undecalactone Consumption Forecast by Region (2025-2030)
- 2.3 United States Food Grade Gamma-undecalactone Consumption (2019-2030)
- 2.4 China Food Grade Gamma-undecalactone Consumption (2019-2030)
- 2.5 Europe Food Grade Gamma-undecalactone Consumption (2019-2030)
- 2.6 Japan Food Grade Gamma-undecalactone Consumption (2019-2030)
- 2.7 South Korea Food Grade Gamma-undecalactone Consumption (2019-2030)
- 2.8 ASEAN Food Grade Gamma-undecalactone Consumption (2019-2030)

2.9 India Food Grade Gamma-undecalactone Consumption (2019-2030)

3 WORLD FOOD GRADE GAMMA-UNDECALACTONE MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Food Grade Gamma-undecalactone Production Value by Manufacturer (2019-2024)

3.2 World Food Grade Gamma-undecalactone Production by Manufacturer (2019-2024)

3.3 World Food Grade Gamma-undecalactone Average Price by Manufacturer (2019-2024)

3.4 Food Grade Gamma-undecalactone Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Food Grade Gamma-undecalactone Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Food Grade Gamma-undecalactone in 2023

3.5.3 Global Concentration Ratios (CR8) for Food Grade Gamma-undecalactone in 2023

3.6 Food Grade Gamma-undecalactone Market: Overall Company Footprint Analysis

3.6.1 Food Grade Gamma-undecalactone Market: Region Footprint

3.6.2 Food Grade Gamma-undecalactone Market: Company Product Type Footprint

3.6.3 Food Grade Gamma-undecalactone Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Food Grade Gamma-undecalactone Production Value Comparison

4.1.1 United States VS China: Food Grade Gamma-undecalactone Production Value Comparison (2019 & 2023 & 2030)

4.1.2 United States VS China: Food Grade Gamma-undecalactone Production Value Market Share Comparison (2019 & 2023 & 2030)

4.2 United States VS China: Food Grade Gamma-undecalactone Production

Comparison

4.2.1 United States VS China: Food Grade Gamma-undecalactone Production Comparison (2019 & 2023 & 2030)

4.2.2 United States VS China: Food Grade Gamma-undecalactone Production Market Share Comparison (2019 & 2023 & 2030)

4.3 United States VS China: Food Grade Gamma-undecalactone Consumption Comparison

4.3.1 United States VS China: Food Grade Gamma-undecalactone Consumption Comparison (2019 & 2023 & 2030)

4.3.2 United States VS China: Food Grade Gamma-undecalactone Consumption Market Share Comparison (2019 & 2023 & 2030)

4.4 United States Based Food Grade Gamma-undecalactone Manufacturers and Market Share, 2019-2024

4.4.1 United States Based Food Grade Gamma-undecalactone Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Food Grade Gamma-undecalactone Production Value (2019-2024)

4.4.3 United States Based Manufacturers Food Grade Gamma-undecalactone Production (2019-2024)

4.5 China Based Food Grade Gamma-undecalactone Manufacturers and Market Share

4.5.1 China Based Food Grade Gamma-undecalactone Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Food Grade Gamma-undecalactone Production Value (2019-2024)

4.5.3 China Based Manufacturers Food Grade Gamma-undecalactone Production (2019-2024)

4.6 Rest of World Based Food Grade Gamma-undecalactone Manufacturers and Market Share, 2019-2024

4.6.1 Rest of World Based Food Grade Gamma-undecalactone Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Food Grade Gamma-undecalactone Production Value (2019-2024)

4.6.3 Rest of World Based Manufacturers Food Grade Gamma-undecalactone Production (2019-2024)

5 MARKET ANALYSIS BY TYPE

5.1 World Food Grade Gamma-undecalactone Market Size Overview by Type: 2019 VS 2023 VS 2030

5.2 Segment Introduction by Type

5.2.1 Purity ?98%

5.2.2 Purity ?99%

5.2.3 Other

5.3 Market Segment by Type

5.3.1 World Food Grade Gamma-undecalactone Production by Type (2019-2030)

5.3.2 World Food Grade Gamma-undecalactone Production Value by Type (2019-2030)

5.3.3 World Food Grade Gamma-undecalactone Average Price by Type (2019-2030)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Food Grade Gamma-undecalactone Market Size Overview by Application: 2019 VS 2023 VS 2030

6.2 Segment Introduction by Application

6.2.1 Baked Goods

6.2.2 Confectionery

6.2.3 Beverages

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World Food Grade Gamma-undecalactone Production by Application (2019-2030)

6.3.2 World Food Grade Gamma-undecalactone Production Value by Application (2019-2030)

6.3.3 World Food Grade Gamma-undecalactone Average Price by Application (2019-2030)

7 COMPANY PROFILES

7.1 Kao Chemicals

7.1.1 Kao Chemicals Details

7.1.2 Kao Chemicals Major Business

7.1.3 Kao Chemicals Food Grade Gamma-undecalactone Product and Services

7.1.4 Kao Chemicals Food Grade Gamma-undecalactone Production, Price, Value, Gross Margin and Market Share (2019-2024)

7.1.5 Kao Chemicals Recent Developments/Updates

7.1.6 Kao Chemicals Competitive Strengths & Weaknesses

7.2 Soda Aromatic

7.2.1 Soda Aromatic Details

- 7.2.2 Soda Aromatic Major Business
- 7.2.3 Soda Aromatic Food Grade Gamma-undecalactone Product and Services
- 7.2.4 Soda Aromatic Food Grade Gamma-undecalactone Production, Price, Value, Gross Margin and Market Share (2019-2024)
- 7.2.5 Soda Aromatic Recent Developments/Updates
- 7.2.6 Soda Aromatic Competitive Strengths & Weaknesses
- 7.3 Anhui Hyea Aromas
 - 7.3.1 Anhui Hyea Aromas Details
 - 7.3.2 Anhui Hyea Aromas Major Business
 - 7.3.3 Anhui Hyea Aromas Food Grade Gamma-undecalactone Product and Services
 - 7.3.4 Anhui Hyea Aromas Food Grade Gamma-undecalactone Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.3.5 Anhui Hyea Aromas Recent Developments/Updates
 - 7.3.6 Anhui Hyea Aromas Competitive Strengths & Weaknesses
- 7.4 Shanghai Huasheng Aromatic Chemical
 - 7.4.1 Shanghai Huasheng Aromatic Chemical Details
 - 7.4.2 Shanghai Huasheng Aromatic Chemical Major Business
 - 7.4.3 Shanghai Huasheng Aromatic Chemical Food Grade Gamma-undecalactone Product and Services
 - 7.4.4 Shanghai Huasheng Aromatic Chemical Food Grade Gamma-undecalactone Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.4.5 Shanghai Huasheng Aromatic Chemical Recent Developments/Updates
 - 7.4.6 Shanghai Huasheng Aromatic Chemical Competitive Strengths & Weaknesses
- 7.5 Kunshan Qiandeng Baihua Perfumery
 - 7.5.1 Kunshan Qiandeng Baihua Perfumery Details
 - 7.5.2 Kunshan Qiandeng Baihua Perfumery Major Business
 - 7.5.3 Kunshan Qiandeng Baihua Perfumery Food Grade Gamma-undecalactone Product and Services
 - 7.5.4 Kunshan Qiandeng Baihua Perfumery Food Grade Gamma-undecalactone Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.5.5 Kunshan Qiandeng Baihua Perfumery Recent Developments/Updates
 - 7.5.6 Kunshan Qiandeng Baihua Perfumery Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Food Grade Gamma-undecalactone Industry Chain
- 8.2 Food Grade Gamma-undecalactone Upstream Analysis
 - 8.2.1 Food Grade Gamma-undecalactone Core Raw Materials
 - 8.2.2 Main Manufacturers of Food Grade Gamma-undecalactone Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Food Grade Gamma-undecalactone Production Mode

8.6 Food Grade Gamma-undecalactone Procurement Model

8.7 Food Grade Gamma-undecalactone Industry Sales Model and Sales Channels

8.7.1 Food Grade Gamma-undecalactone Sales Model

8.7.2 Food Grade Gamma-undecalactone Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Food Grade Gamma-undecalactone Production Value by Region (2019, 2023 and 2030) & (USD Million)

Table 2. World Food Grade Gamma-undecalactone Production Value by Region (2019-2024) & (USD Million)

Table 3. World Food Grade Gamma-undecalactone Production Value by Region (2025-2030) & (USD Million)

Table 4. World Food Grade Gamma-undecalactone Production Value Market Share by Region (2019-2024)

Table 5. World Food Grade Gamma-undecalactone Production Value Market Share by Region (2025-2030)

Table 6. World Food Grade Gamma-undecalactone Production by Region (2019-2024) & (Tons)

Table 7. World Food Grade Gamma-undecalactone Production by Region (2025-2030) & (Tons)

Table 8. World Food Grade Gamma-undecalactone Production Market Share by Region (2019-2024)

Table 9. World Food Grade Gamma-undecalactone Production Market Share by Region (2025-2030)

Table 10. World Food Grade Gamma-undecalactone Average Price by Region (2019-2024) & (US\$/Ton)

Table 11. World Food Grade Gamma-undecalactone Average Price by Region (2025-2030) & (US\$/Ton)

Table 12. Food Grade Gamma-undecalactone Major Market Trends

Table 13. World Food Grade Gamma-undecalactone Consumption Growth Rate Forecast by Region (2019 & 2023 & 2030) & (Tons)

Table 14. World Food Grade Gamma-undecalactone Consumption by Region (2019-2024) & (Tons)

Table 15. World Food Grade Gamma-undecalactone Consumption Forecast by Region (2025-2030) & (Tons)

Table 16. World Food Grade Gamma-undecalactone Production Value by Manufacturer (2019-2024) & (USD Million)

Table 17. Production Value Market Share of Key Food Grade Gamma-undecalactone Producers in 2023

Table 18. World Food Grade Gamma-undecalactone Production by Manufacturer (2019-2024) & (Tons)

Table 19. Production Market Share of Key Food Grade Gamma-undecalactone Producers in 2023

Table 20. World Food Grade Gamma-undecalactone Average Price by Manufacturer (2019-2024) & (US\$/Ton)

Table 21. Global Food Grade Gamma-undecalactone Company Evaluation Quadrant

Table 22. World Food Grade Gamma-undecalactone Industry Rank of Major Manufacturers, Based on Production Value in 2023

Table 23. Head Office and Food Grade Gamma-undecalactone Production Site of Key Manufacturer

Table 24. Food Grade Gamma-undecalactone Market: Company Product Type Footprint

Table 25. Food Grade Gamma-undecalactone Market: Company Product Application Footprint

Table 26. Food Grade Gamma-undecalactone Competitive Factors

Table 27. Food Grade Gamma-undecalactone New Entrant and Capacity Expansion Plans

Table 28. Food Grade Gamma-undecalactone Mergers & Acquisitions Activity

Table 29. United States VS China Food Grade Gamma-undecalactone Production Value Comparison, (2019 & 2023 & 2030) & (USD Million)

Table 30. United States VS China Food Grade Gamma-undecalactone Production Comparison, (2019 & 2023 & 2030) & (Tons)

Table 31. United States VS China Food Grade Gamma-undecalactone Consumption Comparison, (2019 & 2023 & 2030) & (Tons)

Table 32. United States Based Food Grade Gamma-undecalactone Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Food Grade Gamma-undecalactone Production Value, (2019-2024) & (USD Million)

Table 34. United States Based Manufacturers Food Grade Gamma-undecalactone Production Value Market Share (2019-2024)

Table 35. United States Based Manufacturers Food Grade Gamma-undecalactone Production (2019-2024) & (Tons)

Table 36. United States Based Manufacturers Food Grade Gamma-undecalactone Production Market Share (2019-2024)

Table 37. China Based Food Grade Gamma-undecalactone Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Food Grade Gamma-undecalactone Production Value, (2019-2024) & (USD Million)

Table 39. China Based Manufacturers Food Grade Gamma-undecalactone Production Value Market Share (2019-2024)

Table 40. China Based Manufacturers Food Grade Gamma-undecalactone Production (2019-2024) & (Tons)

Table 41. China Based Manufacturers Food Grade Gamma-undecalactone Production Market Share (2019-2024)

Table 42. Rest of World Based Food Grade Gamma-undecalactone Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Food Grade Gamma-undecalactone Production Value, (2019-2024) & (USD Million)

Table 44. Rest of World Based Manufacturers Food Grade Gamma-undecalactone Production Value Market Share (2019-2024)

Table 45. Rest of World Based Manufacturers Food Grade Gamma-undecalactone Production (2019-2024) & (Tons)

Table 46. Rest of World Based Manufacturers Food Grade Gamma-undecalactone Production Market Share (2019-2024)

Table 47. World Food Grade Gamma-undecalactone Production Value by Type, (USD Million), 2019 & 2023 & 2030

Table 48. World Food Grade Gamma-undecalactone Production by Type (2019-2024) & (Tons)

Table 49. World Food Grade Gamma-undecalactone Production by Type (2025-2030) & (Tons)

Table 50. World Food Grade Gamma-undecalactone Production Value by Type (2019-2024) & (USD Million)

Table 51. World Food Grade Gamma-undecalactone Production Value by Type (2025-2030) & (USD Million)

Table 52. World Food Grade Gamma-undecalactone Average Price by Type (2019-2024) & (US\$/Ton)

Table 53. World Food Grade Gamma-undecalactone Average Price by Type (2025-2030) & (US\$/Ton)

Table 54. World Food Grade Gamma-undecalactone Production Value by Application, (USD Million), 2019 & 2023 & 2030

Table 55. World Food Grade Gamma-undecalactone Production by Application (2019-2024) & (Tons)

Table 56. World Food Grade Gamma-undecalactone Production by Application (2025-2030) & (Tons)

Table 57. World Food Grade Gamma-undecalactone Production Value by Application (2019-2024) & (USD Million)

Table 58. World Food Grade Gamma-undecalactone Production Value by Application (2025-2030) & (USD Million)

Table 59. World Food Grade Gamma-undecalactone Average Price by Application

(2019-2024) & (US\$/Ton)

Table 60. World Food Grade Gamma-undecalactone Average Price by Application (2025-2030) & (US\$/Ton)

Table 61. Kao Chemicals Basic Information, Manufacturing Base and Competitors

Table 62. Kao Chemicals Major Business

Table 63. Kao Chemicals Food Grade Gamma-undecalactone Product and Services

Table 64. Kao Chemicals Food Grade Gamma-undecalactone Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 65. Kao Chemicals Recent Developments/Updates

Table 66. Kao Chemicals Competitive Strengths & Weaknesses

Table 67. Soda Aromatic Basic Information, Manufacturing Base and Competitors

Table 68. Soda Aromatic Major Business

Table 69. Soda Aromatic Food Grade Gamma-undecalactone Product and Services

Table 70. Soda Aromatic Food Grade Gamma-undecalactone Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 71. Soda Aromatic Recent Developments/Updates

Table 72. Soda Aromatic Competitive Strengths & Weaknesses

Table 73. Anhui Hyea Aromas Basic Information, Manufacturing Base and Competitors

Table 74. Anhui Hyea Aromas Major Business

Table 75. Anhui Hyea Aromas Food Grade Gamma-undecalactone Product and Services

Table 76. Anhui Hyea Aromas Food Grade Gamma-undecalactone Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. Anhui Hyea Aromas Recent Developments/Updates

Table 78. Anhui Hyea Aromas Competitive Strengths & Weaknesses

Table 79. Shanghai Huasheng Aromatic Chemical Basic Information, Manufacturing Base and Competitors

Table 80. Shanghai Huasheng Aromatic Chemical Major Business

Table 81. Shanghai Huasheng Aromatic Chemical Food Grade Gamma-undecalactone Product and Services

Table 82. Shanghai Huasheng Aromatic Chemical Food Grade Gamma-undecalactone Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 83. Shanghai Huasheng Aromatic Chemical Recent Developments/Updates

Table 84. Kunshan Qiandeng Baihua Perfumery Basic Information, Manufacturing Base and Competitors

Table 85. Kunshan Qiandeng Baihua Perfumery Major Business

Table 86. Kunshan Qiandeng Baihua Perfumery Food Grade Gamma-undecalactone Product and Services

Table 87. Kunshan Qiandeng Baihua Perfumery Food Grade Gamma-undecalactone Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 88. Global Key Players of Food Grade Gamma-undecalactone Upstream (Raw Materials)

Table 89. Food Grade Gamma-undecalactone Typical Customers

Table 90. Food Grade Gamma-undecalactone Typical Distributors

LIST OF FIGURE

Figure 1. Food Grade Gamma-undecalactone Picture

Figure 2. World Food Grade Gamma-undecalactone Production Value: 2019 & 2023 & 2030, (USD Million)

Figure 3. World Food Grade Gamma-undecalactone Production Value and Forecast (2019-2030) & (USD Million)

Figure 4. World Food Grade Gamma-undecalactone Production (2019-2030) & (Tons)

Figure 5. World Food Grade Gamma-undecalactone Average Price (2019-2030) & (US\$/Ton)

Figure 6. World Food Grade Gamma-undecalactone Production Value Market Share by Region (2019-2030)

Figure 7. World Food Grade Gamma-undecalactone Production Market Share by Region (2019-2030)

Figure 8. North America Food Grade Gamma-undecalactone Production (2019-2030) & (Tons)

Figure 9. Europe Food Grade Gamma-undecalactone Production (2019-2030) & (Tons)

Figure 10. China Food Grade Gamma-undecalactone Production (2019-2030) & (Tons)

Figure 11. Japan Food Grade Gamma-undecalactone Production (2019-2030) & (Tons)

Figure 12. Food Grade Gamma-undecalactone Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Food Grade Gamma-undecalactone Consumption (2019-2030) & (Tons)

Figure 15. World Food Grade Gamma-undecalactone Consumption Market Share by Region (2019-2030)

Figure 16. United States Food Grade Gamma-undecalactone Consumption (2019-2030) & (Tons)

Figure 17. China Food Grade Gamma-undecalactone Consumption (2019-2030) &

(Tons)

Figure 18. Europe Food Grade Gamma-undecalactone Consumption (2019-2030) &

(Tons)

Figure 19. Japan Food Grade Gamma-undecalactone Consumption (2019-2030) &

(Tons)

Figure 20. South Korea Food Grade Gamma-undecalactone Consumption (2019-2030)

& (Tons)

Figure 21. ASEAN Food Grade Gamma-undecalactone Consumption (2019-2030) &

(Tons)

Figure 22. India Food Grade Gamma-undecalactone Consumption (2019-2030) &

(Tons)

Figure 23. Producer Shipments of Food Grade Gamma-undecalactone by Manufacturer Revenue (\$MM) and Market Share (%): 2023

Figure 24. Global Four-firm Concentration Ratios (CR4) for Food Grade Gamma-undecalactone Markets in 2023

Figure 25. Global Four-firm Concentration Ratios (CR8) for Food Grade Gamma-undecalactone Markets in 2023

Figure 26. United States VS China: Food Grade Gamma-undecalactone Production Value Market Share Comparison (2019 & 2023 & 2030)

Figure 27. United States VS China: Food Grade Gamma-undecalactone Production Market Share Comparison (2019 & 2023 & 2030)

Figure 28. United States VS China: Food Grade Gamma-undecalactone Consumption Market Share Comparison (2019 & 2023 & 2030)

Figure 29. United States Based Manufacturers Food Grade Gamma-undecalactone Production Market Share 2023

Figure 30. China Based Manufacturers Food Grade Gamma-undecalactone Production Market Share 2023

Figure 31. Rest of World Based Manufacturers Food Grade Gamma-undecalactone Production Market Share 2023

Figure 32. World Food Grade Gamma-undecalactone Production Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 33. World Food Grade Gamma-undecalactone Production Value Market Share by Type in 2023

Figure 34. Purity ?98%

Figure 35. Purity ?99%

Figure 36. Other

Figure 37. World Food Grade Gamma-undecalactone Production Market Share by Type (2019-2030)

Figure 38. World Food Grade Gamma-undecalactone Production Value Market Share

by Type (2019-2030)

Figure 39. World Food Grade Gamma-undecalactone Average Price by Type (2019-2030) & (US\$/Ton)

Figure 40. World Food Grade Gamma-undecalactone Production Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 41. World Food Grade Gamma-undecalactone Production Value Market Share by Application in 2023

Figure 42. Baked Goods

Figure 43. Confectionery

Figure 44. Beverages

Figure 45. Others

Figure 46. World Food Grade Gamma-undecalactone Production Market Share by Application (2019-2030)

Figure 47. World Food Grade Gamma-undecalactone Production Value Market Share by Application (2019-2030)

Figure 48. World Food Grade Gamma-undecalactone Average Price by Application (2019-2030) & (US\$/Ton)

Figure 49. Food Grade Gamma-undecalactone Industry Chain

Figure 50. Food Grade Gamma-undecalactone Procurement Model

Figure 51. Food Grade Gamma-undecalactone Sales Model

Figure 52. Food Grade Gamma-undecalactone Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

I would like to order

Product name: Global Food Grade Gamma-undecalactone Supply, Demand and Key Producers, 2024-2030

Product link: <https://marketpublishers.com/r/G668790C23D2EN.html>

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

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G668790C23D2EN.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

