

# Global L-Citrulline Industry Research Report, Competitive Landscape, Market Size, Regional Status and Prospect

https://marketpublishers.com/r/G428E384154BEN.html

Date: May 2023

Pages: 106

Price: US\$ 3,250.00 (Single User License)

ID: G428E384154BEN

## **Abstracts**

The report combines extensive quantitative analysis and exhaustive qualitative analysis, ranges from a macro overview of the total market size, industry chain, and market dynamics to micro details of segment markets by type, application and region, and, as a result, provides a holistic view of, as well as a deep insight into the L-Citrulline market covering all its essential aspects.

For the competitive landscape, the report also introduces players in the industry from the perspective of the market share, concentration ratio, etc., and describes the leading companies in detail, with which the readers can get a better idea of their competitors and acquire an in-depth understanding of the competitive situation. Further, mergers & acquisitions, emerging market trends, the impact of COVID-19, and regional conflicts will all be considered.

In a nutshell, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the market in any manner.

Key players in the global L-Citrulline market are covered in Chapter 9:

CJ BIO Kyowa Hakko Merck KGaA

In Chapter 5 and Chapter 7.3, based on types, the L-Citrulline market from 2017 to 2027 is primarily split into:



Powder Crystal

In Chapter 6 and Chapter 7.4, based on applications, the L-Citrulline market from 2017 to 2027 covers:

Food Production

Beverage

Pharmaceutical

Cosmetics

**Animal Feed** 

Others

Geographically, the detailed analysis of consumption, revenue, market share and growth rate, historical data and forecast (2017-2027) of the following regions are covered in Chapter 4 and Chapter 7:

**United States** 

Europe

China

Japan

India

Southeast Asia

Latin America

Middle East and Africa

#### Client Focus

1. Does this report consider the impact of COVID-19 and the Russia-Ukraine war on the L-Citrulline market?

Yes. As the COVID-19 and the Russia-Ukraine war are profoundly affecting the global supply chain relationship and raw material price system, we have definitely taken them into consideration throughout the research, and in Chapters 1.7, 2.7, 4.X.1, 7.5, 8.7, we elaborate at full length on the impact of the pandemic and the war on the L-Citrulline Industry.



2. How do you determine the list of the key players included in the report?

With the aim of clearly revealing the competitive situation of the industry, we concretely analyze not only the leading enterprises that have a voice on a global scale, but also the regional small and medium-sized companies that play key roles and have plenty of potential growth.

Please find the key player list in Summary.

3. What are your main data sources?

Both Primary and Secondary data sources are being used while compiling the report.

Primary sources include extensive interviews of key opinion leaders and industry experts (such as experienced front-line staff, directors, CEOs, and marketing executives), downstream distributors, as well as end-users.

Secondary sources include the research of the annual and financial reports of the top companies, public files, new journals, etc. We also cooperate with some third-party databases.

Please find a more complete list of data sources in Chapters 11.2.1 & 11.2.2.

4. Can I modify the scope of the report and customize it to suit my requirements?

Yes. Customized requirements of multi-dimensional, deep-level and high-quality can help our customers precisely grasp market opportunities, effortlessly confront market challenges, properly formulate market strategies and act promptly, thus to win them sufficient time and space for market competition.

#### Outline

Chapter 1 mainly defines the market scope and introduces the macro overview of the industry, with an executive summary of different market segments ((by type, application, region, etc.), including the definition, market size, and trend of each market segment.

Chapter 2 provides a qualitative analysis of the current status and future trends of the market. Industry Entry Barriers, market drivers, market challenges, emerging markets, consumer preference analysis, together with the impact of the COVID-19 outbreak will



all be thoroughly explained.

Chapter 3 analyzes the current competitive situation of the market by providing data regarding the players, including their sales volume and revenue with corresponding market shares, price and gross margin. In addition, information about market concentration ratio, mergers, acquisitions, and expansion plans will also be covered.

Chapter 4 focuses on the regional market, presenting detailed data (i.e., sales volume, revenue, price, gross margin) of the most representative regions and countries in the world.

Chapter 5 provides the analysis of various market segments according to product types, covering sales volume, revenue along with market share and growth rate, plus the price analysis of each type.

Chapter 6 shows the breakdown data of different applications, including the consumption and revenue with market share and growth rate, with the aim of helping the readers to take a close-up look at the downstream market.

Chapter 7 provides a combination of quantitative and qualitative analyses of the market size and development trends in the next five years. The forecast information of the whole, as well as the breakdown market, offers the readers a chance to look into the future of the industry.

Chapter 8 is the analysis of the whole market industrial chain, covering key raw materials suppliers and price analysis, manufacturing cost structure analysis, alternative product analysis, also providing information on major distributors, downstream buyers, and the impact of COVID-19 pandemic.

Chapter 9 shares a list of the key players in the market, together with their basic information, product profiles, market performance (i.e., sales volume, price, revenue, gross margin), recent development, SWOT analysis, etc.

Chapter 10 is the conclusion of the report which helps the readers to sum up the main findings and points.

Chapter 11 introduces the market research methods and data sources.

Years considered for this report:



Historical Years: 2017-2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2022-2027



# **Contents**

#### 1 L-CITRULLINE MARKET OVERVIEW

- 1.1 Product Overview and Scope of L-Citrulline Market
- 1.2 L-Citrulline Market Segment by Type
- 1.2.1 Global L-Citrulline Market Sales Volume and CAGR (%) Comparison by Type (2017-2027)
- 1.3 Global L-Citrulline Market Segment by Application
- 1.3.1 L-Citrulline Market Consumption (Sales Volume) Comparison by Application (2017-2027)
- 1.4 Global L-Citrulline Market, Region Wise (2017-2027)
- 1.4.1 Global L-Citrulline Market Size (Revenue) and CAGR (%) Comparison by Region (2017-2027)
  - 1.4.2 United States L-Citrulline Market Status and Prospect (2017-2027)
  - 1.4.3 Europe L-Citrulline Market Status and Prospect (2017-2027)
  - 1.4.4 China L-Citrulline Market Status and Prospect (2017-2027)
  - 1.4.5 Japan L-Citrulline Market Status and Prospect (2017-2027)
  - 1.4.6 India L-Citrulline Market Status and Prospect (2017-2027)
  - 1.4.7 Southeast Asia L-Citrulline Market Status and Prospect (2017-2027)
  - 1.4.8 Latin America L-Citrulline Market Status and Prospect (2017-2027)
- 1.4.9 Middle East and Africa L-Citrulline Market Status and Prospect (2017-2027)
- 1.5 Global Market Size of L-Citrulline (2017-2027)
  - 1.5.1 Global L-Citrulline Market Revenue Status and Outlook (2017-2027)
- 1.5.2 Global L-Citrulline Market Sales Volume Status and Outlook (2017-2027)
- 1.6 Global Macroeconomic Analysis
- 1.7 The impact of the Russia-Ukraine war on the L-Citrulline Market

### 2 INDUSTRY OUTLOOK

- 2.1 L-Citrulline Industry Technology Status and Trends
- 2.2 Industry Entry Barriers
  - 2.2.1 Analysis of Financial Barriers
  - 2.2.2 Analysis of Technical Barriers
  - 2.2.3 Analysis of Talent Barriers
  - 2.2.4 Analysis of Brand Barrier
- 2.3 L-Citrulline Market Drivers Analysis
- 2.4 L-Citrulline Market Challenges Analysis
- 2.5 Emerging Market Trends



- 2.6 Consumer Preference Analysis
- 2.7 L-Citrulline Industry Development Trends under COVID-19 Outbreak
  - 2.7.1 Global COVID-19 Status Overview
  - 2.7.2 Influence of COVID-19 Outbreak on L-Citrulline Industry Development

#### 3 GLOBAL L-CITRULLINE MARKET LANDSCAPE BY PLAYER

- 3.1 Global L-Citrulline Sales Volume and Share by Player (2017-2022)
- 3.2 Global L-Citrulline Revenue and Market Share by Player (2017-2022)
- 3.3 Global L-Citrulline Average Price by Player (2017-2022)
- 3.4 Global L-Citrulline Gross Margin by Player (2017-2022)
- 3.5 L-Citrulline Market Competitive Situation and Trends
  - 3.5.1 L-Citrulline Market Concentration Rate
  - 3.5.2 L-Citrulline Market Share of Top 3 and Top 6 Players
  - 3.5.3 Mergers & Acquisitions, Expansion

# 4 GLOBAL L-CITRULLINE SALES VOLUME AND REVENUE REGION WISE (2017-2022)

- 4.1 Global L-Citrulline Sales Volume and Market Share, Region Wise (2017-2022)
- 4.2 Global L-Citrulline Revenue and Market Share, Region Wise (2017-2022)
- 4.3 Global L-Citrulline Sales Volume, Revenue, Price and Gross Margin (2017-2022)
- 4.4 United States L-Citrulline Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.4.1 United States L-Citrulline Market Under COVID-19
- 4.5 Europe L-Citrulline Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.5.1 Europe L-Citrulline Market Under COVID-19
- 4.6 China L-Citrulline Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.6.1 China L-Citrulline Market Under COVID-19
- 4.7 Japan L-Citrulline Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.7.1 Japan L-Citrulline Market Under COVID-19
- 4.8 India L-Citrulline Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.8.1 India L-Citrulline Market Under COVID-19
- 4.9 Southeast Asia L-Citrulline Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.9.1 Southeast Asia L-Citrulline Market Under COVID-19
- 4.10 Latin America L-Citrulline Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.10.1 Latin America L-Citrulline Market Under COVID-19



- 4.11 Middle East and Africa L-Citrulline Sales Volume, Revenue, Price and Gross Margin (2017-2022)
- 4.11.1 Middle East and Africa L-Citrulline Market Under COVID-19

# 5 GLOBAL L-CITRULLINE SALES VOLUME, REVENUE, PRICE TREND BY TYPE

- 5.1 Global L-Citrulline Sales Volume and Market Share by Type (2017-2022)
- 5.2 Global L-Citrulline Revenue and Market Share by Type (2017-2022)
- 5.3 Global L-Citrulline Price by Type (2017-2022)
- 5.4 Global L-Citrulline Sales Volume, Revenue and Growth Rate by Type (2017-2022)
- 5.4.1 Global L-Citrulline Sales Volume, Revenue and Growth Rate of Powder (2017-2022)
- 5.4.2 Global L-Citrulline Sales Volume, Revenue and Growth Rate of Crystal (2017-2022)

#### 6 GLOBAL L-CITRULLINE MARKET ANALYSIS BY APPLICATION

- 6.1 Global L-Citrulline Consumption and Market Share by Application (2017-2022)
- 6.2 Global L-Citrulline Consumption Revenue and Market Share by Application (2017-2022)
- 6.3 Global L-Citrulline Consumption and Growth Rate by Application (2017-2022)
- 6.3.1 Global L-Citrulline Consumption and Growth Rate of Food Production (2017-2022)
- 6.3.2 Global L-Citrulline Consumption and Growth Rate of Beverage (2017-2022)
- 6.3.3 Global L-Citrulline Consumption and Growth Rate of Pharmaceutical (2017-2022)
  - 6.3.4 Global L-Citrulline Consumption and Growth Rate of Cosmetics (2017-2022)
  - 6.3.5 Global L-Citrulline Consumption and Growth Rate of Animal Feed (2017-2022)
  - 6.3.6 Global L-Citrulline Consumption and Growth Rate of Others (2017-2022)

#### 7 GLOBAL L-CITRULLINE MARKET FORECAST (2022-2027)

- 7.1 Global L-Citrulline Sales Volume, Revenue Forecast (2022-2027)
  - 7.1.1 Global L-Citrulline Sales Volume and Growth Rate Forecast (2022-2027)
  - 7.1.2 Global L-Citrulline Revenue and Growth Rate Forecast (2022-2027)
  - 7.1.3 Global L-Citrulline Price and Trend Forecast (2022-2027)
- 7.2 Global L-Citrulline Sales Volume and Revenue Forecast, Region Wise (2022-2027)
- 7.2.1 United States L-Citrulline Sales Volume and Revenue Forecast (2022-2027)
- 7.2.2 Europe L-Citrulline Sales Volume and Revenue Forecast (2022-2027)



- 7.2.3 China L-Citrulline Sales Volume and Revenue Forecast (2022-2027)
- 7.2.4 Japan L-Citrulline Sales Volume and Revenue Forecast (2022-2027)
- 7.2.5 India L-Citrulline Sales Volume and Revenue Forecast (2022-2027)
- 7.2.6 Southeast Asia L-Citrulline Sales Volume and Revenue Forecast (2022-2027)
- 7.2.7 Latin America L-Citrulline Sales Volume and Revenue Forecast (2022-2027)
- 7.2.8 Middle East and Africa L-Citrulline Sales Volume and Revenue Forecast (2022-2027)
- 7.3 Global L-Citrulline Sales Volume, Revenue and Price Forecast by Type (2022-2027)
  - 7.3.1 Global L-Citrulline Revenue and Growth Rate of Powder (2022-2027)
  - 7.3.2 Global L-Citrulline Revenue and Growth Rate of Crystal (2022-2027)
- 7.4 Global L-Citrulline Consumption Forecast by Application (2022-2027)
- 7.4.1 Global L-Citrulline Consumption Value and Growth Rate of Food Production(2022-2027)
- 7.4.2 Global L-Citrulline Consumption Value and Growth Rate of Beverage(2022-2027)
- 7.4.3 Global L-Citrulline Consumption Value and Growth Rate of

Pharmaceutical(2022-2027)

- 7.4.4 Global L-Citrulline Consumption Value and Growth Rate of Cosmetics(2022-2027)
- 7.4.5 Global L-Citrulline Consumption Value and Growth Rate of Animal Feed(2022-2027)
- 7.4.6 Global L-Citrulline Consumption Value and Growth Rate of Others (2022-2027)
- 7.5 L-Citrulline Market Forecast Under COVID-19

#### **8 L-CITRULLINE MARKET UPSTREAM AND DOWNSTREAM ANALYSIS**

- 8.1 L-Citrulline Industrial Chain Analysis
- 8.2 Key Raw Materials Suppliers and Price Analysis
- 8.3 Manufacturing Cost Structure Analysis
  - 8.3.1 Labor Cost Analysis
  - 8.3.2 Energy Costs Analysis
  - 8.3.3 R&D Costs Analysis
- 8.4 Alternative Product Analysis
- 8.5 Major Distributors of L-Citrulline Analysis
- 8.6 Major Downstream Buyers of L-Citrulline Analysis
- 8.7 Impact of COVID-19 and the Russia-Ukraine war on the Upstream and Downstream in the L-Citrulline Industry

#### 9 PLAYERS PROFILES



- 9.1 CJ BIO
  - 9.1.1 CJ BIO Basic Information, Manufacturing Base, Sales Region and Competitors
  - 9.1.2 L-Citrulline Product Profiles, Application and Specification
  - 9.1.3 CJ BIO Market Performance (2017-2022)
  - 9.1.4 Recent Development
  - 9.1.5 SWOT Analysis
- 9.2 Kyowa Hakko
- 9.2.1 Kyowa Hakko Basic Information, Manufacturing Base, Sales Region and Competitors
  - 9.2.2 L-Citrulline Product Profiles, Application and Specification
  - 9.2.3 Kyowa Hakko Market Performance (2017-2022)
  - 9.2.4 Recent Development
  - 9.2.5 SWOT Analysis
- 9.3 Merck KGaA
- 9.3.1 Merck KGaA Basic Information, Manufacturing Base, Sales Region and Competitors
  - 9.3.2 L-Citrulline Product Profiles, Application and Specification
  - 9.3.3 Merck KGaA Market Performance (2017-2022)
  - 9.3.4 Recent Development
  - 9.3.5 SWOT Analysis

#### 10 RESEARCH FINDINGS AND CONCLUSION

#### 11 APPENDIX

- 11.1 Methodology
- 11.2 Research Data Source



# **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure L-Citrulline Product Picture

Table Global L-Citrulline Market Sales Volume and CAGR (%) Comparison by Type Table L-Citrulline Market Consumption (Sales Volume) Comparison by Application (2017-2027)

Figure Global L-Citrulline Market Size (Revenue, Million USD) and CAGR (%) (2017-2027)

Figure United States L-Citrulline Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Europe L-Citrulline Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure China L-Citrulline Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Japan L-Citrulline Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure India L-Citrulline Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Southeast Asia L-Citrulline Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Latin America L-Citrulline Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Middle East and Africa L-Citrulline Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Global L-Citrulline Market Sales Volume Status and Outlook (2017-2027)

Table Global Macroeconomic Analysis

Figure Global COVID-19 Status Overview

Table Influence of COVID-19 Outbreak on L-Citrulline Industry Development

Table Global L-Citrulline Sales Volume by Player (2017-2022)

Table Global L-Citrulline Sales Volume Share by Player (2017-2022)

Figure Global L-Citrulline Sales Volume Share by Player in 2021

Table L-Citrulline Revenue (Million USD) by Player (2017-2022)

Table L-Citrulline Revenue Market Share by Player (2017-2022)

Table L-Citrulline Price by Player (2017-2022)

Table L-Citrulline Gross Margin by Player (2017-2022)

Table Mergers & Acquisitions, Expansion Plans

Table Global L-Citrulline Sales Volume, Region Wise (2017-2022)

Table Global L-Citrulline Sales Volume Market Share, Region Wise (2017-2022)

Figure Global L-Citrulline Sales Volume Market Share, Region Wise (2017-2022)

Figure Global L-Citrulline Sales Volume Market Share, Region Wise in 2021

Table Global L-Citrulline Revenue (Million USD), Region Wise (2017-2022)



Table Global L-Citrulline Revenue Market Share, Region Wise (2017-2022)

Figure Global L-Citrulline Revenue Market Share, Region Wise (2017-2022)

Figure Global L-Citrulline Revenue Market Share, Region Wise in 2021

Table Global L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table United States L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Europe L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table China L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Japan L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table India L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Southeast Asia L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Latin America L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Middle East and Africa L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Global L-Citrulline Sales Volume by Type (2017-2022)

Table Global L-Citrulline Sales Volume Market Share by Type (2017-2022)

Figure Global L-Citrulline Sales Volume Market Share by Type in 2021

Table Global L-Citrulline Revenue (Million USD) by Type (2017-2022)

Table Global L-Citrulline Revenue Market Share by Type (2017-2022)

Figure Global L-Citrulline Revenue Market Share by Type in 2021

Table L-Citrulline Price by Type (2017-2022)

Figure Global L-Citrulline Sales Volume and Growth Rate of Powder (2017-2022)

Figure Global L-Citrulline Revenue (Million USD) and Growth Rate of Powder (2017-2022)

Figure Global L-Citrulline Sales Volume and Growth Rate of Crystal (2017-2022)

Figure Global L-Citrulline Revenue (Million USD) and Growth Rate of Crystal (2017-2022)

Table Global L-Citrulline Consumption by Application (2017-2022)

Table Global L-Citrulline Consumption Market Share by Application (2017-2022)

Table Global L-Citrulline Consumption Revenue (Million USD) by Application (2017-2022)

Table Global L-Citrulline Consumption Revenue Market Share by Application



(2017-2022)

Table Global L-Citrulline Consumption and Growth Rate of Food Production (2017-2022)

Table Global L-Citrulline Consumption and Growth Rate of Beverage (2017-2022)

Table Global L-Citrulline Consumption and Growth Rate of Pharmaceutical (2017-2022)

Table Global L-Citrulline Consumption and Growth Rate of Cosmetics (2017-2022)

Table Global L-Citrulline Consumption and Growth Rate of Animal Feed (2017-2022)

Table Global L-Citrulline Consumption and Growth Rate of Others (2017-2022)

Figure Global L-Citrulline Sales Volume and Growth Rate Forecast (2022-2027)

Figure Global L-Citrulline Revenue (Million USD) and Growth Rate Forecast (2022-2027)

Figure Global L-Citrulline Price and Trend Forecast (2022-2027)

Figure USA L-Citrulline Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure USA L-Citrulline Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Europe L-Citrulline Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Europe L-Citrulline Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure China L-Citrulline Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure China L-Citrulline Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Japan L-Citrulline Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Japan L-Citrulline Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure India L-Citrulline Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure India L-Citrulline Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Southeast Asia L-Citrulline Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Southeast Asia L-Citrulline Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Latin America L-Citrulline Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Latin America L-Citrulline Market Revenue (Million USD) and Growth Rate



Forecast Analysis (2022-2027)

Figure Middle East and Africa L-Citrulline Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Middle East and Africa L-Citrulline Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Table Global L-Citrulline Market Sales Volume Forecast, by Type

Table Global L-Citrulline Sales Volume Market Share Forecast, by Type

Table Global L-Citrulline Market Revenue (Million USD) Forecast, by Type

Table Global L-Citrulline Revenue Market Share Forecast, by Type

Table Global L-Citrulline Price Forecast, by Type

Figure Global L-Citrulline Revenue (Million USD) and Growth Rate of Powder (2022-2027)

Figure Global L-Citrulline Revenue (Million USD) and Growth Rate of Powder (2022-2027)

Figure Global L-Citrulline Revenue (Million USD) and Growth Rate of Crystal (2022-2027)

Figure Global L-Citrulline Revenue (Million USD) and Growth Rate of Crystal (2022-2027)

Table Global L-Citrulline Market Consumption Forecast, by Application

Table Global L-Citrulline Consumption Market Share Forecast, by Application

Table Global L-Citrulline Market Revenue (Million USD) Forecast, by Application

Table Global L-Citrulline Revenue Market Share Forecast, by Application

Figure Global L-Citrulline Consumption Value (Million USD) and Growth Rate of Food Production (2022-2027)

Figure Global L-Citrulline Consumption Value (Million USD) and Growth Rate of Beverage (2022-2027)

Figure Global L-Citrulline Consumption Value (Million USD) and Growth Rate of Pharmaceutical (2022-2027)

Figure Global L-Citrulline Consumption Value (Million USD) and Growth Rate of Cosmetics (2022-2027)

Figure Global L-Citrulline Consumption Value (Million USD) and Growth Rate of Animal Feed (2022-2027)

Figure Global L-Citrulline Consumption Value (Million USD) and Growth Rate of Others (2022-2027)

Figure L-Citrulline Industrial Chain Analysis

Table Key Raw Materials Suppliers and Price Analysis

Figure Manufacturing Cost Structure Analysis

**Table Alternative Product Analysis** 

**Table Downstream Distributors** 



**Table Downstream Buyers** 

Table CJ BIO Profile

Table CJ BIO L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross

Margin (2017-2022)

Figure CJ BIO L-Citrulline Sales Volume and Growth Rate

Figure CJ BIO Revenue (Million USD) Market Share 2017-2022

Table Kyowa Hakko Profile

Table Kyowa Hakko L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Kyowa Hakko L-Citrulline Sales Volume and Growth Rate

Figure Kyowa Hakko Revenue (Million USD) Market Share 2017-2022

Table Merck KGaA Profile

Table Merck KGaA L-Citrulline Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Merck KGaA L-Citrulline Sales Volume and Growth Rate

Figure Merck KGaA Revenue (Million USD) Market Share 2017-2022



#### I would like to order

Product name: Global L-Citrulline Industry Research Report, Competitive Landscape, Market Size,

Regional Status and Prospect

Product link: https://marketpublishers.com/r/G428E384154BEN.html

Price: US\$ 3,250.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

# **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G428E384154BEN.html">https://marketpublishers.com/r/G428E384154BEN.html</a>

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

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

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

