

# L-Citrulline Market Expected to Reach US\$ 2,541.98 Million by 2032 with Explosive 5.2% CAGR From 2024-2032

*The rising demand for sports nutrition and expansion into functional foods and beverages are the major factors fueling the market expansion.*

NEW YORK CITY, NY, UNITED STATES, October 24, 2024 /EINPresswire.com/ -- The study includes updated information on the latest technological advancements and innovations anticipated to drive the market demand.

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The powder form of l-citrulline is being increasingly incorporated into dietary supplements and functional foods owing to its versatility and high flexibility.”

*Polaris Market Research*

[L-Citrulline Market](#) is projected to reach US\$ 2,541.98 million by 2032, growing at a CAGR of 5.2% from 2024 to 2032. The market is driven by the increasing demand for sports nutrition and functional foods. The market size was valued at US\$ 1,613.52 million in 2023.

What is L-citrulline?

L-citrulline is a substance called a non-essential amino acid. It is found in watermelon and is also made in the body. Unlike several other amino acids, l-citrulline isn't used to make proteins. Instead, it has other functions in the body. The kidneys take l-citrulline and transform it into L-arginine and nitric oxide. These compounds play a key role in maintaining the heart and blood vessel health and help boost the body's immune system.

One of the key benefits of l-citrulline is that it may help enhance exercise or boost athletic performance. It does through its effect on the production of nitric oxide. Also, l-citrulline can help lower the blood pressure among individuals. The amino acid is available as a supplement and comes in a powder or capsule form. The rising applications of l-citrulline in sports nutrition and dietary supplements are having a favorable impact on the l-citrulline market size.

For more information, visit <https://www.polarismarketresearch.com/industry-analysis/l-citrulline-market/request-for-sample>

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Market Size and Growth?

- The L-citrulline market size was valued at 1,613.52 million USD in 2023 and is projected to reach 2,541.98 million USD by 2032.

- The growing demand for natural and performance-enhancing supplements is having a favorable impact on the market expansion.

- The market segmentation is primarily based on form type, classification, distribution channel, and region.

- By region, North America led the market with the largest revenue share in 2023.

Market Key Players?

The L-citrulline market key players are known for their extensive product offerings and established brands. They provide L-citrulline in various forms to cater to the diverse market needs.

The top market participants include:

- Kyowa Hakko Bio Co., Ltd.
- NutraBio Labs
- NOW Foods
- BulkSupplements
- Swanson Health Products
- GNC Holdings
- BPI Sports
- Jarrow Formulas
- Garden of Life

Market Drivers?

**Rising Sports Nutrition Demand:** The growing emphasis on maintaining health and fitness has led to increased demand for L-citrulline in sports nutrition. Athletes and fitness enthusiasts are increasingly using L-citrulline supplements to improve performance and reduce muscle soreness.

**Functional Foods Expansion:** L-citrulline is making its way into functional foods and beverages.



The l-citrulline market expansion is driven by a surge in consumer interest in convenient ways to add health-boosting ingredients to their diets.

**Rise of Personalized Solutions:** Personalized solutions are a major trend in the market. Advances in nutrition science and technology have prompted companies to provide customized l-citrulline formulations depending on metabolic and genetic needs.

Regional Market Outlook: North America, Asia Pacific, Europe?

**North America:** North America leads the market for l-citrulline. The region's dominance is fueled by the presence of health-conscious consumers and the presence of a robust fitness sector.

**Asia Pacific:** Asia Pacific is experiencing rapid growth in the l-citrulline market. The regional market growth is supported by rising awareness of functional foods and dietary supplements. Besides, surging interest in performance enhancing ingredients further supports the market growth in Asia Pacific.

For more information, visit our website: <https://www.polarismarketresearch.com/industry-analysis/l-citrulline-market/request-for-discount-pricing>

Market Outlook: By Form Type, By Classification, By Distribution Channel, By Regional?

**By Form Type Outlook:**

- Powder
- Crystal

**By Classification Outlook:**

- Food Grade
- Medical Grade

**By Distribution Channel Outlook:**

- Supermarkets & Hypermarkets
- Pharmacy & Drug Stores

**By Regional Outlook:**

- North America
  - o US
  - o Canada

- Europe
  - o Germany
  - o France
  - o UK
  - o Italy

- o Spain
- o Netherlands
- o Russia
- o Rest of Europe

- Asia Pacific

- o China
- o Japan
- o India
- o Malaysia
- o South Korea
- o Indonesia
- o Australia
- o Vietnam
- o Rest of Asia Pacific

- Middle East & Africa

- o Saudi Arabia
- o UAE
- o Israel
- o South Africa
- o Rest of the Middle East & Africa

- Latin America

- o Mexico
- o Brazil
- o Argentina
- o Rest of Latin America

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What is the growth rate of the L-citrulline market?

The market is projected to register a CAGR of 5.2% from 2024 to 2032.

Based on form type, which segment led the L-citrulline market?

The powder segment dominated the market in 2023.

Which distribution channels dominated the market in 2023?

The supermarkets and hypermarkets segment accounted for the largest market share.

Which region is anticipated to witness the fastest growth?

The Asia Pacific region is anticipated to witness the fastest growth over the forecast period.

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Likhil G

Polymers Market Research and Consulting

+ +1 929-297-9727

[sales@polarismarketresearch.com](mailto:sales@polarismarketresearch.com)

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