+357 96 030922
info@marketpublishers.com

Food Amino Acids Market - Global Industry Size, Share, Trends, Opportunity, and Forecast Segmented By Type (Glutamic Acid, Lysine, Tryptophan, Methionine, Phenylalanine and Others), By Source (Plant-Based Amino Acids, Animal-Based Amino Acids and Synthetic Amino Acids), By Application (Nutraceuticals & Dietary Supplements, Infant Formula, Food Fortification, Convenience Food and Others), By Region & Competition, 2021-2031F

https://marketpublishers.com/r/F6E6624E34C6EN.html
Date: January 2026
Pages: 181
Price: US$ 4,500.00 (Single User License)
ID: F6E6624E34C6EN

Abstracts

The Global Food Amino Acids Market is projected to expand from USD 9.88 Billion in 2025 to USD 15.86 Billion by 2031, reflecting a compound annual growth rate of 8.21%. These organic compounds serve as fundamental building blocks for proteins and are extensively utilized across the food and beverage industry for flavor enhancement, preservation, and nutritional fortification. The market is primarily underpinned by rising global demand for functional foods and nutraceuticals, as health-oriented consumers increasingly prioritize protein intake to support physical maintenance and metabolic well-being. This structural shift toward fortified nutrition acts as a strong catalyst for industry growth, distinguishing it from temporary dietary fads. Data from the International Food Information Council indicates that in 2024, 71% of Americans aimed to increase their protein consumption, highlighting the enduring consumer demand that sustains this ingredient sector.

A significant obstacle hindering market growth is the price volatility of essential raw materials, specifically agricultural commodities like corn and wheat which are central to fermentation processes. Unpredictable fluctuations in these input costs, aggravated by

+357 96 030922
info@marketpublishers.com

geopolitical instability and supply chain interruptions, create substantial financial uncertainty for manufacturers. This economic unpredictability often compels producers to implement price increases for finished products, which can severely restrict market reach and accessibility, particularly within cost-sensitive developing economies.

Market Driver

The rapid growth of the Sports Nutrition and Performance Industry acts as a primary engine for the global food amino acids market. Once restricted to elite athletes, the consumption of amino acids has now permeated the mainstream consumer base, fueled by goals related to muscle recovery, sustained energy, and body composition management. This democratization of performance nutrition has triggered a surge in products fortified with Branched-Chain Amino Acids (BCAAs) and essential proteins, expanding availability from specialty shops to mass retail outlets. Glanbia plc reported in February 2024 that their flagship Optimum Nutrition brand achieved 17.0% like-for-like revenue growth in 2023, demonstrating the strong commercial appeal of performance-oriented formulations. Furthermore, the Council for Responsible Nutrition noted in 2024 that 75% of Americans use dietary supplements, fostering a favorable environment for amino acid-based products.

Simultaneously, the rising consumer preference for plant-based and clean-label ingredients is transforming ingredient sourcing strategies. As individuals decrease their animal protein consumption, the demand for plant-based alternatives has highlighted nutritional deficiencies, particularly the absence of essential amino acids such as lysine and methionine in many botanical sources. To address this, manufacturers are increasingly utilizing fermentation-derived amino acids to fortify plant analogs, ensuring complete nutritional profiles while maintaining vegan claims. The Plant Based Foods Association reported in May 2024 that 62% of U.S. households purchased plant-based products in 2023, pointing to a substantial consumer base requiring nutritionally equivalent food options. This trend drives suppliers to develop sustainable, non-animal production methods to satisfy market volume and ethical expectations.

Market Challenge

The volatility of prices for key agricultural raw materials remains a primary barrier to the expansion of the Global Food Amino Acids Market. Because industrial production depends heavily on the fermentation of crops such as corn and wheat, the market is inherently susceptible to agricultural sector instability. When commodity costs fluctuate unpredictably due to geopolitical tensions or supply chain disruptions, manufacturers

+357 96 030922
info@marketpublishers.com

face immediate and sharp increases in operational expenses. This financial uncertainty complicates production planning and prevents companies from maintaining stable pricing structures, which are essential for securing long-term contracts with food and beverage clients.

These elevated input costs inevitably force manufacturers to increase the price of final amino acid products, thereby limiting market penetration. This dynamic is particularly damaging in cost-sensitive developing economies where affordability is a decisive factor in consumer purchasing. The inability to offer competitive pricing suppresses demand for fortified goods in these regions. According to the International Grains Council, global wheat carryover stocks were projected to drop to 260 million tons in 2024, signaling a tightening supply that heightens the risk of price volatility for critical fermentation inputs. Such pressures on raw materials directly impede the industry's capacity to make these functional ingredients globally accessible.

Market Trends

The widespread adoption of precision fermentation is fundamentally altering the manufacturing landscape of the Global Food Amino Acids Market. This technology facilitates the production of high-purity, bio-identical amino acids without dependence on volatile agricultural harvest cycles or animal extraction. By employing genetically engineered microorganisms, manufacturers can achieve scalable yields with a reduced environmental footprint, effectively decoupling ingredient production from the supply chain instabilities associated with traditional farming. This industrial shift is supported by significant capital inflows; the Good Food Institute?s May 2024 report revealed that the fermentation-enabled alternative protein sector secured $515 million in investment capital in 2023, validating the sector's move toward resilient biomanufacturing platforms.

Concurrently, the market is evolving toward the development of personalized nutrition solutions and targeted health blends. Consumers are increasingly seeking precise amino acid formulations tailored to specific metabolic needs, such as muscle preservation during medical weight loss, rather than generic protein supplements. This trend is establishing a premium tier of functional ingredients designed for highly specific physiological states. For instance, the Kerry Group reported in January 2025 that 90% of consumers using GLP-1 weight-management medications are actively adding vitamins, supplements, and probiotics to their lifestyles, driving the need for specialized nutritional formulations.

Key Market Players

+357 96 030922
info@marketpublishers.com

Ajinomoto Co., Inc.

Evonik Industries AG

Kyowa Hakko Bio Co., Ltd.

CJ CheilJedang Corporation

Sumitomo Chemical Co., Ltd.

Daesang Corporation

Meihua Holdings Group Co., Ltd.

Archer Daniels Midland Company

Fufeng Group Limited

Kemin Industries Inc.

Report Scope

In this report, the Global Food Amino Acids Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Food Amino Acids Market, By Type

Glutamic Acid

Lysine

Tryptophan

Methionine

Phenylalanine and Others

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Food Amino Acids Market.

Available Customizations:

Global Food Amino Acids Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

+357 96 030922
info@marketpublishers.com

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

8. ASIA PACIFIC FOOD AMINO ACIDS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

9. MIDDLE EAST & AFRICA FOOD AMINO ACIDS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

10. SOUTH AMERICA FOOD AMINO ACIDS MARKET OUTLOOK

11. MARKET DYNAMICS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

17. ABOUT US & DISCLAIMER

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Food Amino Acids Market - Global Industry Size, Share, Trends, Opportunity, and Forecast Segmented By Type (Glutamic Acid, Lysine, Tryptophan, Methionine, Phenylalanine and Others), By Source (Plant-Based Amino Acids, Animal-Based Amino Acids and Synthetic Amino Acids), By Application (Nutraceuticals & Dietary Supplements, Infant Formula, Food Fortification, Convenience Food and Others), By Region & Competition, 2021-2031F

Product link: https://marketpublishers.com/r/F6E6624E34C6EN.html

Price: US$ 4,500.00 (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/F6E6624E34C6EN.html