

Phenylalanine Market Trends, Investment Opportunities, and Growth Analysis Through 2032 Featuring Ajinomoto Co., Inc.,

Phenylalanine Market size is estimated to valued USD 1.72 billion in 2025 and expected reach USD 2.85 billion by 2032, exhibiting CAGR of 7.4% from 2025 to 2032

BURLINGAME, CA, UNITED STATES, December 1, 2025 /EINPresswire.com/ -- Coherent Market Insights has introduced its latest research study on the global "[Phenylalanine Market](#)" 2025 by Size, Growth, Trends, and Dynamics, Forecast to 2032—an in-depth analysis resulting from extensive evaluation of evolving market patterns. In celebration of Black Friday, the full report is now available at an exclusive 40% discount, giving organizations access to high-value market intelligence at a significantly reduced price. This comprehensive study

examines the key factors shaping the market landscape, including manufacturers, suppliers, leading market participants, and customer trends. It highlights the core drivers fueling global Phenylalanine market expansion and offers detailed segmentation by product type, application, end-user, and region to support strategic decision-making.

The research includes the key strategic developments of the industry, agreements, new product launches, collaborations, partnerships, joint ventures, and regional growth of the key competitors functioning in the domain on a global and regional scale.

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Phenylalanine Market Size

□ The report further explores the key business players along with their in-depth profiling:

- Ajinomoto Co. Inc.
- Evonik Industries AG
- Archer Daniels Midland Company
- CJ CheilJedang Corporation
- Shandong Hongda Biotechnology Co., Ltd.,
- Lonza Group AG
- Kyowa Hakko Bio Co., Ltd.,
- Changmao Biochemical Engineering Co., Ltd.,
- Solvay S.A.
- BASF SE.

Detailed Segmentation and Classification of the report (Market Size and Forecast - 2032, Y-o-Y growth rate, and CAGR):

- By Product Type: L-Phenylalanine, DL-Phenylalanine, D-Phenylalanine, and Others
- By Application: Food & Beverages, Pharmaceuticals, Animal Feed, and Others
- By Production Method: Chemical Synthesis, Fermentation, Enzymatic Synthesis, and Others

□ Market Analysis and Insights:

Phenylalanine Market Key Takeaways

According to Coherent Market Insights (CMI), the global phenylalanine market size is expected to grow from USD 1.72 billion in 2025 to USD 2.85 billion by 2032, at a CAGR of 7.4%.

L-Phenylalanine is the leading product type with around 72% share, mostly because it is widely used in food, nutrition, and pharmaceutical applications.

The food & beverages segment makes up nearly 45% of total market demand, owing to rising use of phenylalanine in sweeteners like aspartame.

North America holds the largest share of the market at around 34%, supported by strong demand from the food and supplement industries.

Asia Pacific is the fastest-growing region due to increasing production capacity, a growing food processing sector, and expansion of bulk chemical manufacturing in countries such as China and India.

Key Factors Driving Global Phenylalanine Market Expansion

The global phenylalanine market is growing steadily due to increasing demand for food-grade

phenylalanine and pharmaceutical-grade phenylalanine. Phenylalanine is an important raw material for aspartame, which is widely used as a low-calorie sweetener in beverages and food products. Consumers are more inclined to use sugar substitutes for healthier food diets; this is the driving factor for global L-phenylalanine market demand.

The market is also benefiting from advances in fermentation-based phenylalanine production, which improves purity and consistency for industrial applications. According to the U.S. FDA, aspartame products containing phenylalanine are widely approved and considered safe for consumption, supporting the continued expansion of this market. This regulatory backing ensures steady use of phenylalanine in food and supplements, stabilizing phenylalanine price trends.

Major Restraints Slowing Development of the Phenylalanine Market

One important constraint for the phenylalanine market arises out of increasing health issues associated with products made from phenylalanine - especially when used in the sweetener Aspartame. In July 2023, World Health Organization (WHO) and International Agency for Research on Cancer (IARC) published a hazard and risk assessment reporting aspartame as "possibly carcinogenic to humans (Group 2B)." This classification has created uncertainty among consumers and regulators, which may restrict food-grade phenylalanine demand as aspartame raw material.

Moreover, this health-related scrutiny naturally affects price and demand dynamics as the producers of food-grade phenylalanine and pharmaceutical-grade phenylalanine may become more cautious. This could slow down investments or expansions in fermentation-based phenylalanine production. Concerns about safety and long-term effects may lower L-phenylalanine demand, affecting its price trends. Regulatory uncertainty and reduced consumption could slow market growth, especially in regions where governments or consumers follow WHO/IARC advisories closely.

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□ Competitive Analysis:

Know your current market situation! Not only an important element for new products but also for current products given the ever-changing market dynamics. The study allows marketers to stay in touch with current consumer trends and segments where they can face a rapid market share drop. Discover who you really compete against in the marketplace, with Market Share Analysis know the market position, % Market Share, and Segmented Revenue of Phenylalanine Market.

□ Market Segmentation:

The segmentation chapter allows readers to understand aspects of the Global Phenylalanine Market such as products/services, available technologies, and applications. These chapters are written in a way that describes years of development and the process that will take place in the next few years. The research report also provides insightful information on new trends that are likely to define the progress of these segments over the next few years.

□ Segmentation and Targeting:

Essential demographic, geographic, psychographic, and behavioral information about business segments in the Phenylalanine Market is targeted to aid in determining the features a company should encompass in order to fit into the business requirements. For the Consumer-based market - the study is also classified with Market Maker information in order to better understand who the clients are, their buying behavior, and patterns.

□ Regional Analysis, the major regions covered in the report are:

The report provides a detailed overview of the business with both qualitative and quantitative information. It provides scope and forecast of the global Phenylalanine Market based on various segments. Declare five major regions:

- North America (the United States, Canada, and Mexico)
- Europe (Germany, France, United Kingdom, and the Rest of Europe)
- Asia-Pacific (Japan, Korea, India, Southeast Asia, and Australia)
- South America (Brazil, Argentina, and the Rest of South America)
- Middle East & Africa (Saudi Arabia, UAE, Egypt, and the Rest of the Middle East & Africa)

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Emerging Opportunities Supporting Future Phenylalanine Market Growth

The global phenylalanine market is forecast to grow strongly in the coming years, driven by increasing demand for dietary supplements, functional foods, and nutritional products. Amino acids market will expand substantially through 2035 as more consumers adopt healthier diets and seek protein or amino acid-enhanced nutrition. This rising interest opens big opportunities for food-grade phenylalanine and pharmaceutical-grade phenylalanine as ingredients in supplements, low-calorie sweeteners, and fortified foods.

Meanwhile, regulatory frameworks in regions such as the European Union continue to support the safe use of amino acids and their derivatives in foods and food supplements - paving the way for the increased adoption of amino acid ingredients in mainstream diets. With increasing producers turning to fermentation-based phenylalanine production, production supply chains

become more reliable and at scale, which can help stabilize the price of phenylalanine and post to growing global demand. These developments offer a definite possibility - phenylalanine could gain large applications in nutritional supplements, in food additives, and health-oriented products around the world.

Emerging Phenylalanine Market Trends

The demand for L-phenylalanine is increasing due to a preference for low-calorie sweeteners and functional food products. This trend has increased its use in dietary supplements, ingredients, and food-grade phenylalanine products. Manufacturers are also increasing production to accommodate the rising interest among consumers in healthier nutrition options.

The L-phenylalanine market size is growing because of its use in pharmaceutical and mood-enhancing supplements, and increased awareness about its benefits in mental wellness to adopt. Companies are investing in expanding production to keep pace with growing demand.

The broader amino acids market is seeing steady growth, which positively affects the phenylalanine market. Higher consumption of amino-acid fortified foods and beverages drives food-grade phenylalanine use. This trend encourages manufacturers to innovate and develop new formulations.

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Alice Mutum is a seasoned senior content editor at Coherent Market Insights, leveraging extensive expertise gained from her previous role as a content writer. With seven years in content development, Alice masterfully employs SEO best practices and cutting-edge digital

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About CMI:

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