

Methionine Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (DL-Methionine, Methionine Hydroxy Analogue (Mha) and L-Methionine), By Raw Material (Plant Based and Animal Based), By Application (Animal Feed, Food & Dietary Supplements, and Pharmaceuticals), By Region & Competition, 2021-2031F

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Abstracts

The Global Methionine Market is projected to expand from a valuation of USD 6.21 Billion in 2025 to USD 10.54 Billion by 2031, reflecting a compound annual growth rate of 9.22%. As an essential sulfur-containing amino acid, methionine is primarily utilized as a feed additive in poultry and swine diets to support protein synthesis and enhance growth performance. The market's trajectory is fundamentally supported by the rising global requirement for animal protein, which necessitates the adoption of intensive farming techniques and the optimization of feed conversion rates to achieve higher efficiency. Furthermore, the financial advantages of employing supplemental amino acids to reduce total feed expenses while preserving nutritional integrity continue to underpin the consistent uptake of methionine throughout the commercial livestock sector.

However, the market's growth faces a substantial threat from supply chain concentration and the consequent susceptibility to trade disruptions. Heavy reliance on a limited number of manufacturing centers subjects the industry to price volatility and logistical hazards that can interrupt product availability. Data from the Institute for Feed Education and Research indicates that in 2024, the United States obtained 87% of its

methionine imports from China. This high degree of geographic centralization highlights the fragility of the global supply network and creates complexities for stakeholders attempting to manage procurement strategies and maintain stable inventory levels.

Market Driver

The rapid growth of the commercial poultry industry acts as the primary driver for the Global Methionine Market, given that poultry feed represents the largest portion of worldwide methionine usage. As producers scale up operations to satisfy consumer demand, the inclusion of methionine remains crucial for ensuring rapid weight gain and optimal feather quality in broilers, establishing a direct link between flock sizes and additive requirements. According to the USDA Foreign Agricultural Service's 'Livestock and Poultry: World Markets and Trade' report from October 2024, global chicken meat production is anticipated to reach a record 104.9 million tons in 2025. This projected volume expansion mandates a corresponding rise in feed additive procurement to maintain production cycles and fulfill the nutritional needs of expanding flocks.

Furthermore, the increasing focus on optimizing feed conversion ratios propels market adoption, as producers aim to maximize output while offsetting volatile raw material expenses. Supplementation with methionine facilitates the precise balancing of amino acids, allowing for a reduction in total crude protein content, which improves overall cost-efficiency and decreases nitrogen excretion. In its 'First Half 2024 Results' released in July 2024, Adisseo reported a 14% year-over-year increase in sales volumes, a growth attributed specifically to the strong performance of liquid methionine in cost-sensitive markets. The magnitude of this demand is significant industry-wide; according to Alltech, global broiler feed production alone was estimated at 385 million metric tons in 2024, highlighting the immense baseline requirement for efficiency-enhancing additives.

Market Challenge

The concentration of the supply chain acts as a major obstacle to the stability and growth of the global methionine market. The industry's significant dependence on a small number of manufacturing hubs generates an environment prone to logistical disruptions and trade instability. When production is geographically centralized, localized challenges such as regulatory shifts, shipping congestion, or geopolitical tensions can rapidly impact the global supply network, triggering severe price volatility and inventory deficits. This unpredictability impairs the ability of livestock producers to accurately project costs and sustain consistent operating margins, effectively

discouraging long-term investment within the sector.

The magnitude of this strategic dependency is clearly demonstrated in key import regions, underscoring the fragility of the existing market framework. According to the European Feed Manufacturers' Federation (FEFAC), in 2025, China provided between 70% and 80% of the amino acid volume imported into the European Union. This imbalance emphasizes the insufficient diversification in global sourcing strategies. As a result, stakeholders are compelled to operate within a precarious procurement environment where the lack of alternative suppliers hinders the mitigation of supply risks, thereby limiting overall market confidence and restricting growth.

Market Trends

The commercialization of bio-based fermentation processes is transforming the market as stakeholders emphasize sustainability and margin stability over conventional fossil-fuel-based synthesis. This trend represents a strategic transition toward microbial production techniques that deliver a lower carbon footprint and enhanced profitability within the specialty additive sector. Manufacturers are increasingly utilizing these green technologies to offset the impact of volatile petrochemical raw material prices while satisfying the growing demand for environmentally friendly feed inputs. As noted by KED Global in the April 2025 article 'CJ CheilJedang scraps \$3.5 bn green bio sale', the company's bio division, which specializes in fermentation-derived additives, recorded 337.6 billion won in operating profit in 2024, marking a 31% increase from the prior year. This financial performance confirms the industry's shift toward high-value, bio-manufactured solutions to ensure long-term competitiveness.

Concurrently, the adoption of rumen-protected technologies is gaining momentum as the dairy sector aims to optimize milk protein synthesis while reducing nitrogen emissions. Unlike standard additives that break down in the rumen, these encapsulated solutions guarantee precise amino acid delivery to the small intestine, enabling farmers to lower overall crude protein dietary levels without diminishing production output. This focus on efficiency is becoming increasingly popular among producers seeking to reduce feed costs and strictly comply with environmental standards. According to a February 2025 article by ChemChina titled 'Adisseo achieves double-digit revenue and gross profit growth in 2024', the company's ruminant animal products division set a new single-month sales record in December 2024. This increase underscores the growing importance of targeted ruminant supplementation in contemporary livestock management strategies.

Key Market Players

Evonik Industries AG

Bluestar Group

Novus International, Inc.

Sumitomo Chemical Co., Ltd.

CJ CheilJedang Corp.

Chongqing Unisplendour Chemical Co., Ltd.

Sichuan Hebang Biotechnology Co., Ltd.

Ajinomoto Co., Inc.

Kemin Industries, Inc.

Prinova Group LLC

Report Scope

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

Methionine Market, By Type

DL-Methionine

Methionine Hydroxy Analogue (Mha) and L-Methionine

Methionine Market, By Raw Material

Plant Based and Animal Based

Methionine Market, By Application

Animal Feed

Food & Dietary Supplements

and Pharmaceuticals

Methionine Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

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 Methionine Market.

Available Customizations:

Global Methionine 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:

Company Information

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

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