

# Global Amino Acid Microcapsule Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Amino Acid Microcapsule market size is expected to reach \$ 878 million by 2032, rising at a market growth of 6.6% CAGR during the forecast period (2026-2032).

In 2025, the global production of amino acid microcapsules reached 37,163 tons, with an average price of USD 15/kg, total production capacity of 45,000 tons, and an average gross margin of 25%.

Amino Acid Microcapsule refers to micro-scale capsules formed by encapsulating amino acid active ingredients (such as lysine, leucine, tryptophan, arginine, etc.) within wall materials (such as gelatin, gum arabic, modified starch, lipids, or polymer materials) using microencapsulation technology. The purpose is to improve stability, mask taste, enable controlled release, and enhance processing performance and bioavailability in food, dietary supplements, and medical nutrition products. This technology is widely used in functional foods, sports nutrition, FSMP, and fortified nutrition products.

Upstream includes amino acid raw material manufacturers (such as lysine, leucine, valine, arginine, etc.), wall material suppliers (gelatin, gum arabic, modified starch, maltodextrin, lipid materials), and microencapsulation equipment suppliers (such as spray drying equipment and emulsification equipment). Midstream consists of amino acid microcapsule manufacturers. Downstream industries include food and beverage companies, dietary supplement companies, infant nutrition companies, sports nutrition companies, and medical nutrition companies.

This report studies the global Amino Acid Microcapsule production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Amino Acid Microcapsule and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Amino Acid Microcapsule that contribute to its increasing demand across many markets.

#### Highlights and key features of the study

Global Amino Acid Microcapsule total production and demand, 2021-2032, (Tons)

Global Amino Acid Microcapsule total production value, 2021-2032, (USD Million)

Global Amino Acid Microcapsule production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Amino Acid Microcapsule consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Amino Acid Microcapsule domestic production, consumption, key domestic manufacturers and share

Global Amino Acid Microcapsule production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Amino Acid Microcapsule production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Amino Acid Microcapsule production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Amino Acid Microcapsule market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include INNOBIO, Zhejiang Weishi Biotechnology, DSM-Firmenich, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Amino Acid Microcapsule market

#### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Amino Acid Microcapsule Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Amino Acid Microcapsule Market, Segmentation by Type:

Essential Amino Acid Microcapsule

Non-essential Amino Acid Microcapsule

#### Global Amino Acid Microcapsule Market, Segmentation by Wall Material Type:

Polysaccharide Wall Material

Protein-based Wall Material

#### Global Amino Acid Microcapsule Market, Segmentation by Microencapsulation Technology:

Spray Drying Microencapsulation

Emulsion/Gel Microencapsulation

Global Amino Acid Microcapsule Market, Segmentation by Application:

Food and Beverage

Dietary Supplements

Companies Profiled:

INNOBIO

Zhejiang Weishi Biotechnology

DSM-Firmenich

Key Questions Answered:

1. How big is the global Amino Acid Microcapsule market?
2. What is the demand of the global Amino Acid Microcapsule market?
3. What is the year over year growth of the global Amino Acid Microcapsule market?
4. What is the production and production value of the global Amino Acid Microcapsule market?
5. Who are the key producers in the global Amino Acid Microcapsule market?
6. What are the growth factors driving the market demand?

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