

Global Amino Acid Microcapsule Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Amino Acid Microcapsule market size was valued at US\$ 573 million in 2025 and is forecast to a readjusted size of US\$ 878 million by 2032 with a CAGR of 6.6% during review period.

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 is a detailed and comprehensive analysis for global Amino Acid

Microcapsule market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Amino Acid Microcapsule market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Amino Acid Microcapsule market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Amino Acid Microcapsule market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Amino Acid Microcapsule market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Amino Acid Microcapsule

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Amino Acid Microcapsule market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Amino Acid Microcapsule market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- Essential Amino Acid Microcapsule

- Non-essential Amino Acid Microcapsule

Market segment by Wall Material Type

- Polysaccharide Wall Material

- Protein-based Wall Material

Market segment by Microencapsulation Technology

- Spray Drying Microencapsulation

- Emulsion/Gel Microencapsulation

Market segment by Application

- Food and Beverage

- Dietary Supplements

Major players covered

INNOBIO

Zhejiang Weishi Biotechnology

DSM-Firmenich

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Amino Acid Microcapsule product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Amino Acid Microcapsule, with price, sales quantity, revenue, and global market share of Amino Acid Microcapsule from 2021 to 2026.

Chapter 3, the Amino Acid Microcapsule competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Amino Acid Microcapsule breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Amino Acid Microcapsule market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Amino Acid Microcapsule.

Chapter 14 and 15, to describe Amino Acid Microcapsule sales channel, distributors, customers, research findings and conclusion.

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