

# Global Carotenoid 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 Carotenoid Microcapsule market size was valued at US\$ 183 million in 2025 and is forecast to a readjusted size of US\$ 333 million by 2032 with a CAGR of 7.4% during review period.

In 2025, global carotenoid microcapsule production reached 8,879 tons, with an average selling price of USD 20 per kg, production capacity of 11.5 thousand tons, and gross margin of 34%.

Carotenoid microcapsules refer to microencapsulated products in which active carotenoids such as beta-carotene, lutein, lycopene, and astaxanthin are encapsulated using technologies such as spray drying, emulsion solidification, complex coacervation, or liposome encapsulation. The encapsulation improves stability against light, oxygen, and heat, and enhances dispersibility and bioavailability in food, feed, and dietary supplement applications. These products are typically supplied in powder or water-dispersible beadlet form and are widely used as nutritional fortification ingredients and natural colorants in functional foods and supplements.

The carotenoid microcapsule market belongs to the nutritional fortification and natural colorant microencapsulation ingredient market. Demand mainly comes from food and beverages, dietary supplements, infant formula, and feed additives. Lutein, beta-carotene, and astaxanthin microcapsules are the main product types. With the growth of functional foods, eye health products, antioxidant supplements, and the trend of replacing synthetic colorants with natural colorants, the carotenoid microcapsule market continues to grow steadily. Key industry players are mainly nutrition ingredient companies and natural colorant manufacturers, and the main technical barriers lie in

microencapsulation technology, stability control, and formulation capabilities.

This report is a detailed and comprehensive analysis for global Carotenoid 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 Carotenoid Microcapsule market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Carotenoid 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 Carotenoid 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 Carotenoid 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 Carotenoid 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 Carotenoid 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 DSM-Firmenich, BASF, INNOBIO, Zhejiang Tianhecheng Bio-technology, Divi's Nutraceuticals, etc.

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

## **Market Segmentation**

Carotenoid 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

Beta-carotene

Lutein

Zeaxanthin

Astaxanthin

Lycopene

Others

### Market segment by Encapsulation Technology

Spray-Dried Microcapsule

Emulsion-Based Microcapsule

Liposome Microcapsule

Complex Coacervation Microcapsule

## Market segment by Application

Food & Beverage

Dietary Supplements

Feed

Pharmaceutical & Healthcare

## Major players covered

DSM-Firmenich

BASF

INNOBIO

Zhejiang Tianhecheng Bio-technology

Divi's Nutraceuticals

## 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 Carotenoid Microcapsule product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Carotenoid 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 Carotenoid 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 Carotenoid Microcapsule.

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

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