

# **Collagen Market By Source (Bovine, Marine, Chicken, Others) , By Type (Hydrolyzed collagen, Gelatin, Native Collagen) By Application (Pharmaceutical, Cosmetics, Food & Beverages, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

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## **Abstracts**

The collagen market was valued at \$5.9 billion in 2023, and is projected to reach \$14.4 billion by 2033, growing at a CAGR of 9.5% from 2024 to 2033.

Collagen is the most abundant protein in the human body, making up a significant portion of skin, bones, muscles, tendons, and ligaments. It acts as a structural protein that provides strength, elasticity, and cohesion to various tissues. With age, collagen production naturally decreases, leading to signs of aging such as wrinkles and joint discomfort, which has sparked interest in collagen supplements for skin health, anti-aging, and overall well-being.

The growth of the global collagen market is majorly driven by increase in aging population. This is attributed to the fact that as the global population ages, the demand for anti-aging products that enhance skin elasticity and joint health has increased, boosting the collagen market. As per the World Health Organization, the number of people aged 60 years and older was 1 billion in 2019. This number is estimated to increase to 1.4 billion by 2030 and 2.1 billion by 2050. Moreover, rise in consumer interest in health, wellness, and fitness, particularly in maintaining skin, bones, and joint health, has driven the demand for collagen supplements and functional foods. Collagen's applications in wound healing, tissue engineering, and drug delivery in the pharmaceutical industry have further broadened its market potential. In addition,

expansion of the cosmetics industry significantly contributes toward the growth of the global market. This is attributed to the fact that collagen is used in beauty products to improve skin hydration, elasticity, and reduce the appearance of wrinkles, driving its adoption in the cosmetics industry. A study conducted by Nature in 2020 examined collagen's benefits in cosmetics, revealing that collagen peptides can improve skin elasticity by up to 15% and reduce the depth of wrinkles by 20% over a 12-week period when used consistently. This reinforces the demand for collagen in anti-aging skincare products. Moreover, with rising prevalence of conditions like osteoporosis and arthritis, collagen's role in supporting bone and joint health has driven its demand in the nutraceutical and pharmaceutical sectors. However, high cost associated with extraction and production of high-quality collagen hampers the market growth. Some consumers may experience allergic reactions or side effects when using collagen supplements, especially if derived from animal sources. This can further reduce consumer confidence and limit product uptake. On the contrary, innovations in extraction techniques, particularly in sourcing collagen from fish, bovine, and plant-based sources, have expanded the range of products available and fueled the market growth. Furthermore, rise in consumer preference for natural, sustainable, and clean-label ingredients in food and beauty products is expected to accelerate the demand for ethically sourced collagen, thus opening new avenues for the growth of the global market during the forecast period.

The global collagen market is segmented into source, type, application, and region. By source, the market is classified into bovine, marine, chicken, and others. On the basis of type, it is divided into hydrolyzed collagen, gelatin, and native collagen. Depending on application, it is segregated into pharmaceuticals, cosmetics, food and beverages, and others. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

### Key Findings

By source, the marine segment is expected to dominate the market from 2024 to 2033.

On the basis of type, the hydrolyzed collagen segment is anticipated to experience significant growth in the collagen market by 2033.

Depending on application, the cosmetics segment is projected to lead the market during the forecast period.

Region wise, North America is likely to witness robust growth in the coming future.

## Competition Analysis

Competitive analysis and profiles of the major players in the global collagen market include Collagen Solutions Plc., GELITA AG, Rousselot, Nitta Gelatin Inc., Bovogen Biologicals, Vital Proteins, Eli Lilly and Company, Tessengerlo Group, Allergan, and Herbalife Nutrition Ltd. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to sustain the intense competition and gain a strong foothold in the global market.

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Investment Opportunities

New Product Development/ Product Matrix of Key Players

Historic market data

## Key Market Segments

### By Source

Bovine

Marine

Chicken

Others

### By Type

Hydrolyzed collagen

Gelatin

Native Collagen

### By Application

Pharmaceutical

Cosmetics

Food Beverages

Others

## By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Russia

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Thailand

Malaysia

Indonesia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

UAE

Argentina

Rest of LAMEA

Key Market Players

Collagen Solutions plc

GELITA AG

Rousselot

Nitta Gelatin Inc.

Bovogen Biologicals

Vital Proteins

Eli Lilly and Company

Tessenderlo Group

Allergan

Herbalife Nutrition Ltd

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