

Chondroitin Sulfate Market Size, Share & Trends Analysis Report By Source (Bovine, Shark, Swine), By Application (Nutraceuticals, Pharmaceuticals), By Region (APAC, North America), And Segment Forecasts, 2023 - 2030

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Abstracts

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Chondroitin Sulfate Market Growth & Trends

The global chondroitin sulfate market size is expected to reach USD 1.65 billion by 2030, registering a CAGR of 3.5% during the forecast years, as per a new report by Grand View Research, Inc. The growth is majorly driven by the growing consumption of joint health supplements due to the rising prevalence of arthritis among the geriatric and obese population. The growing inclusion of chondroitin sulfate as a substitute for osteoarthritis treatment is expected to accelerate industry growth. The majority of chondroitin sulfate is produced from the cartilage of various animals, including shark, bovine, porcine, and other marine sources. These cartilages are usually leftovers from the butchering of the animals.

Chondroitin sulfate is utilized as a preservative, forming agent, additive, and thickener in health foods, and in animal feed. Due to its effectiveness in treating pets with joint pain and arthritis, including conditions like hip dysplasia, elbow dysplasia, and osteoarthritis, it has a high demand. Over the forecast period, the industry is anticipated to be driven by the rising demand for nutraceutical goods and the incidence of osteoarthritis. Food-grade and animal feed-grade applications are anticipated to expand more quickly than more traditional uses. The structural component chondroitin sulfate, which is derived from cartilage, has a variety of medical uses, including the treatment of osteoarthritis,

eye conditions, heart conditions, and joint discomfort.

To maintain the quality of the drug, cartilage producers who supply the raw materials for pharma-grade must carry out the refining and purification processes. From these sources, raw material suppliers remove cartilages and give them to chondroitin sulfate producers, who then chemically alter the substance to create pharmaceuticals. On the other hand, due to its rising use in pharmaceutical and nutraceutical applications, the raw material needed for extraction has been in high demand. The demand for cartilage derived from these animals has expanded due to the rising frequency of several diseases in developed nations and the post-treatment benefits of cartilage products. As a result, the costs of cartilage and its byproducts have increased, which may act as a restraining factor for the market.

Chondroitin Sulfate Market Report Highlights

The synthetic source segment will have the fastest growth rate over the forecast period owing to its high usage in the formulation of various medicines, on account of its ability and properties to treat arthritis, intestine inflammation, and HIV

The nutraceutical application segment will witness the fastest growth rate over the forecast period due to the high demand for nutraceutical products

Asia Pacific will register the fastest growth rate from 2023 to 2030, due to the growth in end-use industries including personal care & cosmetics, pharmaceutical, and nutraceutical

Increasing manufacturing of chondroitin sulfate coupled with exports from key countries, such as Japan, India, and China, are anticipated to contribute to the market growth

The industry is highly fragmented. Companies focus majorly on R&D activities regarding improving product quality and lowering the manufacturing cost by undertaking efficient production processes

The industry suffered during the COVID-19 pandemic, considering the complete shutdowns of multiple countries. Thus, the manufacturing and demand of end-product were hampered

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