

Cysteine Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global cysteine market size reached US\$ 387.5 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 516.3 Million by 2028, exhibiting a growth rate (CAGR) of 4.90% during 2022-2028.

Cysteine is a non-essential sulfur-based amino acid used for protein synthesis, detoxification and numerous metabolic functions. It is biosynthesized through beta-keratin in nails, skin and hair and it promotes the stability of proteins by building disulfide bridges. It also increases collagen production and improves skin elasticity and texture. It is a rich source of antioxidants and aids in reducing inflammation, cell damage and reversing the effects of aging. Cysteine metabolizes essential biochemicals, such as coenzyme A, heparin and biotin and can also aid in minimizing the risks of developing cancer, diabetes and cardiovascular ailments. As a result, it is widely used as a reducing agent in the manufacturing of pharmaceuticals, cosmetics, personal care products, food supplements and flavor enhancers.

Cysteine Market Trends:

Significant growth in the pharmaceutical industry across the globe is one of the key factors creating a positive outlook for the market. Cysteine is widely used for total parenteral nutrition and as an antidote for acetaminophen overdose. It also aids in the treatment of metabolic disorders and malabsorption syndromes. Moreover, the widespread product adoption in the food and beverage industry is providing a thrust to the market growth. Cysteine is used as a dough conditioner and strengthener to break the disulfide bonds of gluten and lower the viscosity of the dough in bakery products. In line with this, the increasing product utilization in the manufacturing of cosmetics and personal care products is also contributing to the market growth. Cysteine acts as an anti-static, conditioning and waving agent and fragrance ingredient in hair care

products. Other factors, including extensive research and development (R&D) activities, along with the increasing expenditure capacities of the consumers, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global cysteine market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on production process, application and end use industry.

Breakup by Production Process:

- Natural
- Synthetic

Breakup by Application:

- Conditioner
- Flavor Enhancer
- Reducing Agent
- Human Insulin Production
- Others

Breakup by End-Use Industry:

- Food and Dietary Supplement
- Pharmaceutical
- Cosmetic
- Animal Feed
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan

India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Ajinomoto Co. Inc., CJ CheilJedang Corp., Merck KGaA, Nippon Rika Co. Ltd, Shanghai Cosroma Biotech Co. Ltd, Shine Star (Hubei) Biological Engineering Co. Ltd., Wacker Chemie AG, Wuhan Grand Hoyo Co. Ltd. (Grand Pharma (China) Co. Ltd.) and Wuxi Bikang Bioengineering Co. Ltd.

Key Questions Answered in This Report

1. How big is the global cysteine market?
2. What is the expected growth rate of the global cysteine market during 2023-2028?
3. What are the key factors driving the global cysteine market?
4. What has been the impact of COVID-19 on the global cysteine market?
5. What is the breakup of the global cysteine market based on the production process?
6. What is the breakup of the global cysteine market based on the application?
7. What is the breakup of the global cysteine market based on the end-use industry?
8. What are the key regions in the global cysteine market?
9. Who are the key players/companies in the global cysteine market?

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