

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Serine Market 2018, Forecast to 2023

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Abstracts

Serine is an amino acid with the formula $\text{HO}_2\text{CCH}(\text{NH}_2)\text{CH}_2\text{OH}$. It is one of the proteinogenic amino acids. It contains L-Serine, D- Serine and DL- Serine three types.

Serine is a non-essential amino acid in humans (synthesized by the body), Serine is present and functionally important in many proteins. With an alcohol group, serine is needed for the metabolism of fats, fatty acids, and cell membranes; muscle growth; and a healthy immune system. It also plays a major role in pyrimidine, purine, creatine, and porphyrin biosynthetic pathways. Serine is also found at the active site of the serine protease enzyme class that includes trypsin and chymotrypsin.

SCOPE OF THE REPORT:

This report focuses on the Serine in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

In consumption market, the global sales value increases with the 7.38% average growth rate. North America, Europe and China are the mainly consumption regions due to the bigger demand of downstream applications.

Serine has three types, which include L-serine, D-serine and DL-serine. And each type has application industries relatively. With nutrition effect of serine, the downstream application industries will need more serine products. So, serine has a huge market potential in the future. Manufacturers engaged in the industry are trying to produce high purity and good performance serine through improving technology.

The major raw materials for serine are glycine and formaldehyde, etc. Fluctuations in the price of the upstream product will impact on the production cost of serine, and then impact the price of serine. The production cost of serine is also an important factor

which could impact the price of serine. The serine manufacturers are trying to reduce production cost by developing production method.

We tend to believe this industry is a rising industry, and the consumption increasing degree will show a smooth growth curve. And the price presents decreasing trend according to the economy development status and international competition. Also, there will be decreasing trend in gross margin.

The worldwide market for Serine is expected to grow at a CAGR of roughly 4.2% over the next five years, will reach 850 million US\$ in 2023, from 660 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Ajinomoto

Evonik

KYOWA

Mitsui Chemicals

Amino

Wuxi Jinghai Amino Acid

Puyer Biopharma

Bafeng Pharmaceutical

Jiahe Biotech

Hua Yang Chemical

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

L-Serine

D-Serine

DL-Serine

Market Segment by Applications, can be divided into

Pharmaceutical Industry

Food Industry

Cosmetics Industry

Others

There are 15 Chapters to deeply display the global Serine market.

Chapter 1, to describe Serine Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Serine, with sales, revenue, and price of Serine, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Serine, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Serine market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Serine sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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