

Global Serine Sales Market Report 2018

<https://marketpublishers.com/r/GC5E90608E3EN.html>

Date: June 2018

Pages: 104

Price: US\$ 4,000.00 (Single User License)

ID: GC5E90608E3EN

Abstracts

This report studies the global Serine market status and forecast, categorizes the global Serine market size (value & volume) by key players, type, application, and region.

This report focuses on the top players in North America, Europe, China, Japan, Southeast Asia India and Other regions (Middle East & Africa, Central & South America).

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.

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 global Serine market is valued at 660 million US\$ in 2017 and will reach 920 million US\$ by the end of 2025, growing at a CAGR of 4.2% during 2018-2025.

The major players covered in this report

Ajinomoto

Evonik

KYOWA

Mitsui Chemicals

Amino

Wuxi Jinghai Amino Acid

Puyer Biopharma

Bafeng Pharmaceutical

Jiahe Biotech

Hua Yang Chemical

Geographically, this report studies the key regions, focuses on product sales, value, market share and growth opportunity in these regions, covering

United States

Europe

China

Japan

Southeast Asia

India

We can also provide the customized separate regional or country-level reports, for the following regions:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

Japan

South Korea

Australia

Indonesia

Singapore

Rest of Asia-Pacific

Europe

Germany

France

UK

Italy

Spain

Russia

Rest of Europe

Central & South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Saudi Arabia

Turkey

Rest of Middle East & Africa

On the basis of product, this report displays the production, revenue, price, market share and growth rate of each type, primarily split into

L-Serine

D-Serine

DL-Serine

On the basis on the end users/applications, this report focuses on the status and

outlook for major applications/end users, sales volume, market share and growth rate for each application, including

Pharmaceutical Industry

Food Industry

Cosmetics Industry

Others

The study objectives of this report are:

To analyze and study the global Serine sales, value, status (2013-2017) and forecast (2018-2025);

To analyze the top players in North America, Europe, China, Japan, Southeast Asia and India, to study the sales, value and market share of top players in these regions.

Focuses on the key Serine players, to study the sales, value, market share and development plans in future.

Focuses on the global key manufacturers, to define, describe and analyze the market competition landscape, SWOT analysis.

To define, describe and forecast the market by type, application and region.

To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks.

To identify significant trends and factors driving or inhibiting the market growth.

To analyze the opportunities in the market for stakeholders by identifying the high growth segments.

To strategically analyze each submarket with respect to individual growth trend and their contribution to the market

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market

To strategically profile the key players and comprehensively analyze their growth strategies.

In this study, the years considered to estimate the market size of Serine are as follows:

History Year: 2013-2017

Base Year: 2017

Estimated Year: 2018

Forecast Year 2018 to 2025

For the data information by region, company, type and application, 2017 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.

Key Stakeholders

Serine Manufacturers

Serine Distributors/Traders/Wholesalers

Serine Subcomponent Manufacturers

Industry Association

Downstream Vendors

Available Customizations

With the given market data, QYResearch offers customizations according to the company's specific needs. The following customization options are available for the report:

Regional and country-level analysis of the Serine market, by end-use.

Detailed analysis and profiles of additional market players.

Contents

Global Serine Sales Market Report 2018

1 SERINE MARKET OVERVIEW

1.1 Product Overview and Scope of Serine

1.2 Classification of Serine by Product Category

1.2.1 Global Serine Market Size (Sales) Comparison by Type (2013-2025)

1.2.2 Global Serine Market Size (Sales) Market Share by Type (Product Category) in 2017

1.2.3 L-Serine

1.2.4 D-Serine

1.2.5 DL-Serine

1.3 Global Serine Market by Application/End Users

1.3.1 Global Serine Sales (Volume) and Market Share Comparison by Application (2013-2025)

1.3.1 Pharmaceutical Industry

1.3.2 Food Industry

1.3.3 Cosmetics Industry

1.3.4 Others

1.4 Global Serine Market by Region

1.4.1 Global Serine Market Size (Value) Comparison by Region (2013-2025)

1.4.2 United States Serine Status and Prospect (2013-2025)

1.4.3 Europe Serine Status and Prospect (2013-2025)

1.4.4 China Serine Status and Prospect (2013-2025)

1.4.5 Japan Serine Status and Prospect (2013-2025)

1.4.6 Southeast Asia Serine Status and Prospect (2013-2025)

1.4.7 India Serine Status and Prospect (2013-2025)

1.5 Global Market Size (Value and Volume) of Serine (2013-2025)

1.5.1 Global Serine Sales and Growth Rate (2013-2025)

1.5.2 Global Serine Revenue and Growth Rate (2013-2025)

2 GLOBAL SERINE COMPETITION BY PLAYERS/SUPPLIERS, TYPE AND APPLICATION

2.1 Global Serine Market Competition by Players/Suppliers

2.1.1 Global Serine Sales and Market Share of Key Players/Suppliers (2013-2018)

2.1.2 Global Serine Revenue and Share by Players/Suppliers (2013-2018)

2.2 Global Serine (Volume and Value) by Type

2.2.1 Global Serine Sales and Market Share by Type (2013-2018)

2.2.2 Global Serine Revenue and Market Share by Type (2013-2018)

2.3 Global Serine (Volume and Value) by Region

2.3.1 Global Serine Sales and Market Share by Region (2013-2018)

2.3.2 Global Serine Revenue and Market Share by Region (2013-2018)

2.4 Global Serine (Volume) by Application

3 UNITED STATES SERINE (VOLUME, VALUE AND SALES PRICE)

3.1 United States Serine Sales and Value (2013-2018)

3.1.1 United States Serine Sales and Growth Rate (2013-2018)

3.1.2 United States Serine Revenue and Growth Rate (2013-2018)

3.1.3 United States Serine Sales Price Trend (2013-2018)

3.2 United States Serine Sales Volume and Market Share by Players (2013-2018)

3.3 United States Serine Sales Volume and Market Share by Type (2013-2018)

3.4 United States Serine Sales Volume and Market Share by Application (2013-2018)

4 EUROPE SERINE (VOLUME, VALUE AND SALES PRICE)

4.1 Europe Serine Sales and Value (2013-2018)

4.1.1 Europe Serine Sales and Growth Rate (2013-2018)

4.1.2 Europe Serine Revenue and Growth Rate (2013-2018)

4.1.3 Europe Serine Sales Price Trend (2013-2018)

4.2 Europe Serine Sales Volume and Market Share by Players (2013-2018)

4.3 Europe Serine Sales Volume and Market Share by Type (2013-2018)

4.4 Europe Serine Sales Volume and Market Share by Application (2013-2018)

5 CHINA SERINE (VOLUME, VALUE AND SALES PRICE)

5.1 China Serine Sales and Value (2013-2018)

5.1.1 China Serine Sales and Growth Rate (2013-2018)

5.1.2 China Serine Revenue and Growth Rate (2013-2018)

5.1.3 China Serine Sales Price Trend (2013-2018)

5.2 China Serine Sales Volume and Market Share by Players (2013-2018)

5.3 China Serine Sales Volume and Market Share by Type (2013-2018)

5.4 China Serine Sales Volume and Market Share by Application (2013-2018)

6 JAPAN SERINE (VOLUME, VALUE AND SALES PRICE)

6.1 Japan Serine Sales and Value (2013-2018)

6.1.1 Japan Serine Sales and Growth Rate (2013-2018)

6.1.2 Japan Serine Revenue and Growth Rate (2013-2018)

6.1.3 Japan Serine Sales Price Trend (2013-2018)

6.2 Japan Serine Sales Volume and Market Share by Players (2013-2018)

6.3 Japan Serine Sales Volume and Market Share by Type (2013-2018)

6.4 Japan Serine Sales Volume and Market Share by Application (2013-2018)

7 SOUTHEAST ASIA SERINE (VOLUME, VALUE AND SALES PRICE)

7.1 Southeast Asia Serine Sales and Value (2013-2018)

7.1.1 Southeast Asia Serine Sales and Growth Rate (2013-2018)

7.1.2 Southeast Asia Serine Revenue and Growth Rate (2013-2018)

7.1.3 Southeast Asia Serine Sales Price Trend (2013-2018)

7.2 Southeast Asia Serine Sales Volume and Market Share by Players (2013-2018)

7.3 Southeast Asia Serine Sales Volume and Market Share by Type (2013-2018)

7.4 Southeast Asia Serine Sales Volume and Market Share by Application (2013-2018)

8 INDIA SERINE (VOLUME, VALUE AND SALES PRICE)

8.1 India Serine Sales and Value (2013-2018)

8.1.1 India Serine Sales and Growth Rate (2013-2018)

8.1.2 India Serine Revenue and Growth Rate (2013-2018)

8.1.3 India Serine Sales Price Trend (2013-2018)

8.2 India Serine Sales Volume and Market Share by Players (2013-2018)

8.3 India Serine Sales Volume and Market Share by Type (2013-2018)

8.4 India Serine Sales Volume and Market Share by Application (2013-2018)

9 GLOBAL SERINE PLAYERS/SUPPLIERS PROFILES AND SALES DATA

9.1 Ajinomoto

9.1.1 Company Basic Information, Manufacturing Base and Competitors

9.1.2 Serine Product Category, Application and Specification

9.1.2.1 Product A

9.1.2.2 Product B

9.1.3 Ajinomoto Serine Sales, Revenue, Price and Gross Margin (2013-2018)

9.1.4 Main Business/Business Overview

9.2 Evonik

- 9.2.1 Company Basic Information, Manufacturing Base and Competitors
- 9.2.2 Serine Product Category, Application and Specification
 - 9.2.2.1 Product A
 - 9.2.2.2 Product B
- 9.2.3 Evonik Serine Sales, Revenue, Price and Gross Margin (2013-2018)
- 9.2.4 Main Business/Business Overview
- 9.3 KYOWA
 - 9.3.1 Company Basic Information, Manufacturing Base and Competitors
 - 9.3.2 Serine Product Category, Application and Specification
 - 9.3.2.1 Product A
 - 9.3.2.2 Product B
 - 9.3.3 KYOWA Serine Sales, Revenue, Price and Gross Margin (2013-2018)
 - 9.3.4 Main Business/Business Overview
- 9.4 Mitsui Chemicals
 - 9.4.1 Company Basic Information, Manufacturing Base and Competitors
 - 9.4.2 Serine Product Category, Application and Specification
 - 9.4.2.1 Product A
 - 9.4.2.2 Product B
 - 9.4.3 Mitsui Chemicals Serine Sales, Revenue, Price and Gross Margin (2013-2018)
 - 9.4.4 Main Business/Business Overview
- 9.5 Amino
 - 9.5.1 Company Basic Information, Manufacturing Base and Competitors
 - 9.5.2 Serine Product Category, Application and Specification
 - 9.5.2.1 Product A
 - 9.5.2.2 Product B
 - 9.5.3 Amino Serine Sales, Revenue, Price and Gross Margin (2013-2018)
 - 9.5.4 Main Business/Business Overview
- 9.6 Wuxi Jinghai Amino Acid
 - 9.6.1 Company Basic Information, Manufacturing Base and Competitors
 - 9.6.2 Serine Product Category, Application and Specification
 - 9.6.2.1 Product A
 - 9.6.2.2 Product B
 - 9.6.3 Wuxi Jinghai Amino Acid Serine Sales, Revenue, Price and Gross Margin (2013-2018)
 - 9.6.4 Main Business/Business Overview
- 9.7 Puyer Biopharma
 - 9.7.1 Company Basic Information, Manufacturing Base and Competitors
 - 9.7.2 Serine Product Category, Application and Specification
 - 9.7.2.1 Product A

- 9.7.2.2 Product B
- 9.7.3 Puyer Biopharma Serine Sales, Revenue, Price and Gross Margin (2013-2018)
- 9.7.4 Main Business/Business Overview
- 9.8 Bafeng Pharmaceutical
 - 9.8.1 Company Basic Information, Manufacturing Base and Competitors
 - 9.8.2 Serine Product Category, Application and Specification
 - 9.8.2.1 Product A
 - 9.8.2.2 Product B
 - 9.8.3 Bafeng Pharmaceutical Serine Sales, Revenue, Price and Gross Margin (2013-2018)
 - 9.8.4 Main Business/Business Overview
- 9.9 Jiahe Biotech
 - 9.9.1 Company Basic Information, Manufacturing Base and Competitors
 - 9.9.2 Serine Product Category, Application and Specification
 - 9.9.2.1 Product A
 - 9.9.2.2 Product B
 - 9.9.3 Jiahe Biotech Serine Sales, Revenue, Price and Gross Margin (2013-2018)
 - 9.9.4 Main Business/Business Overview
- 9.10 Hua Yang Chemical
 - 9.10.1 Company Basic Information, Manufacturing Base and Competitors
 - 9.10.2 Serine Product Category, Application and Specification
 - 9.10.2.1 Product A
 - 9.10.2.2 Product B
 - 9.10.3 Hua Yang Chemical Serine Sales, Revenue, Price and Gross Margin (2013-2018)
 - 9.10.4 Main Business/Business Overview

10 SERINE MAUFACTURING COST ANALYSIS

- 10.1 Serine Key Raw Materials Analysis
 - 10.1.1 Key Raw Materials
 - 10.1.2 Price Trend of Key Raw Materials
 - 10.1.3 Key Suppliers of Raw Materials
 - 10.1.4 Market Concentration Rate of Raw Materials
- 10.2 Proportion of Manufacturing Cost Structure
 - 10.2.1 Raw Materials
 - 10.2.2 Labor Cost
 - 10.2.3 Manufacturing Process Analysis of Serine
- 10.3 Manufacturing Process Analysis of Serine

11 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 11.1 Serine Industrial Chain Analysis
- 11.2 Upstream Raw Materials Sourcing
- 11.3 Raw Materials Sources of Serine Major Manufacturers in 2017
- 11.4 Downstream Buyers

12 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 12.1 Marketing Channel
 - 12.1.1 Direct Marketing
 - 12.1.2 Indirect Marketing
 - 12.1.3 Marketing Channel Development Trend
- 12.2 Market Positioning
 - 12.2.1 Pricing Strategy
 - 12.2.2 Brand Strategy
 - 12.2.3 Target Client
- 12.3 Distributors/Traders List

13 MARKET EFFECT FACTORS ANALYSIS

- 13.1 Technology Progress/Risk
 - 13.1.1 Substitutes Threat
 - 13.1.2 Technology Progress in Related Industry
- 13.2 Consumer Needs/Customer Preference Change
- 13.3 Economic/Political Environmental Change

14 GLOBAL SERINE MARKET FORECAST (2018-2025)

- 14.1 Global Serine Sales Volume, Revenue and Price Forecast (2018-2025)
 - 14.1.1 Global Serine Sales Volume and Growth Rate Forecast (2018-2025)
 - 14.1.2 Global Serine Revenue and Growth Rate Forecast (2018-2025)
 - 14.1.3 Global Serine Price and Trend Forecast (2018-2025)
- 14.2 Global Serine Sales Volume, Revenue and Growth Rate Forecast by Region (2018-2025)
 - 14.2.1 Global Serine Sales Volume and Growth Rate Forecast by Regions (2018-2025)
 - 14.2.2 Global Serine Revenue and Growth Rate Forecast by Regions (2018-2025)

- 14.2.3 United States Serine Sales Volume, Revenue and Growth Rate Forecast (2018-2025)
- 14.2.4 Europe Serine Sales Volume, Revenue and Growth Rate Forecast (2018-2025)
- 14.2.5 China Serine Sales Volume, Revenue and Growth Rate Forecast (2018-2025)
- 14.2.6 Japan Serine Sales Volume, Revenue and Growth Rate Forecast (2018-2025)
- 14.2.7 Southeast Asia Serine Sales Volume, Revenue and Growth Rate Forecast (2018-2025)
- 14.2.8 India Serine Sales Volume, Revenue and Growth Rate Forecast (2018-2025)
- 14.3 Global Serine Sales Volume, Revenue and Price Forecast by Type (2018-2025)
 - 14.3.1 Global Serine Sales Forecast by Type (2018-2025)
 - 14.3.2 Global Serine Revenue Forecast by Type (2018-2025)
 - 14.3.3 Global Serine Price Forecast by Type (2018-2025)
- 14.4 Global Serine Sales Volume Forecast by Application (2018-2025)

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology/Research Approach
 - 16.1.1 Research Programs/Design
 - 16.1.2 Market Size Estimation
 - 16.1.3 Market Breakdown and Data Triangulation
- 16.2 Data Source
 - 16.2.1 Secondary Sources
 - 16.2.2 Primary Sources
- 16.3 Disclaimer

The report requires updating with new data and is sent in 2-3 business days after order is placed.

List Of Tables

LIST OF TABLES AND FIGURES

Figure Product Picture of Serine

Figure Global Serine Sales Volume Comparison (K MT) by Type (2013-2025)

Figure Global Serine Sales Volume Market Share by Type (Product Category) in 2017

Figure L-Serine Product Picture

Figure D-Serine Product Picture

Figure DL-Serine Product Picture

Figure Global Serine Sales Comparison (K MT) by Application (2013-2025)

Figure Global Sales Market Share of Serine by Application in 2017

Figure Pharmaceutical Industry Examples

Table Key Downstream Customer in Pharmaceutical Industry

Figure Food Industry Examples

Table Key Downstream Customer in Food Industry

Figure Cosmetics Industry Examples

Table Key Downstream Customer in Cosmetics Industry

Figure Others Examples

Table Key Downstream Customer in Others

Figure Global Serine Market Size (Million USD) by Regions (2013-2025)

Figure United States Serine Revenue (Million USD) and Growth Rate (2013-2025)

Figure Europe Serine Revenue (Million USD) and Growth Rate (2013-2025)

Figure China Serine Revenue (Million USD) and Growth Rate (2013-2025)

Figure Japan Serine Revenue (Million USD) and Growth Rate (2013-2025)

Figure Southeast Asia Serine Revenue (Million USD) and Growth Rate (2013-2025)

Figure India Serine Revenue (Million USD) and Growth Rate (2013-2025)

Figure Global Serine Sales Volume (K MT) and Growth Rate (2013-2025)

Figure Global Serine Revenue (Million USD) and Growth Rate (2013-2025)

Figure Global Market Major Players Serine Sales Volume (K MT) (2013-2018)

Table Global Serine Sales (K MT) of Key Players/Suppliers (2013-2018)

Table Global Serine Sales Share by Players/Suppliers (2013-2018)

Figure 2017 Serine Sales Share by Players/Suppliers

Figure 2017 Serine Sales Share by Players/Suppliers

Figure Global Serine Revenue (Million USD) by Players/Suppliers (2013-2018)

Table Global Serine Revenue (Million USD) by Players/Suppliers (2013-2018)

Table Global Serine Revenue Share by Players/Suppliers (2013-2018)

Table 2017 Global Serine Revenue Share by Players

Table 2017 Global Serine Revenue Share by Players

Table Global Serine Sales (K MT) and Market Share by Type (2013-2018)
Table Global Serine Sales Share (K MT) by Type (2013-2018)
Figure Sales Market Share of Serine by Type (2013-2018)
Figure Global Serine Sales Growth Rate by Type (2013-2018)
Table Global Serine Revenue (Million USD) and Market Share by Type (2013-2018)
Table Global Serine Revenue Share by Type (2013-2018)
Figure Revenue Market Share of Serine by Type (2013-2018)
Figure Global Serine Revenue Growth Rate by Type (2013-2018)
Table Global Serine Sales Volume (K MT) and Market Share by Region (2013-2018)
Table Global Serine Sales Share by Region (2013-2018)
Figure Sales Market Share of Serine by Region (2013-2018)
Figure Global Serine Sales Growth Rate by Region in 2017
Table Global Serine Revenue (Million USD) and Market Share by Region (2013-2018)
Table Global Serine Revenue Share (%) by Region (2013-2018)
Figure Revenue Market Share of Serine by Region (2013-2018)
Figure Global Serine Revenue Growth Rate by Region in 2017
Table Global Serine Revenue (Million USD) and Market Share by Region (2013-2018)
Table Global Serine Revenue Share (%) by Region (2013-2018)
Figure Revenue Market Share of Serine by Region (2013-2018)
Figure Global Serine Revenue Market Share by Region in 2017
Table Global Serine Sales Volume (K MT) and Market Share by Application (2013-2018)
Table Global Serine Sales Share (%) by Application (2013-2018)
Figure Sales Market Share of Serine by Application (2013-2018)
Figure Global Serine Sales Market Share by Application (2013-2018)
Figure United States Serine Sales (K MT) and Growth Rate (2013-2018)
Figure United States Serine Revenue (Million USD) and Growth Rate (2013-2018)
Figure United States Serine Sales Price (USD/MT) Trend (2013-2018)
Table United States Serine Sales Volume (K MT) by Players (2013-2018)
Table United States Serine Sales Volume Market Share by Players (2013-2018)
Figure United States Serine Sales Volume Market Share by Players in 2017
Table United States Serine Sales Volume (K MT) by Type (2013-2018)
Table United States Serine Sales Volume Market Share by Type (2013-2018)
Figure United States Serine Sales Volume Market Share by Type in 2017
Table United States Serine Sales Volume (K MT) by Application (2013-2018)
Table United States Serine Sales Volume Market Share by Application (2013-2018)
Figure United States Serine Sales Volume Market Share by Application in 2017
Figure Europe Serine Sales (K MT) and Growth Rate (2013-2018)
Figure Europe Serine Revenue (Million USD) and Growth Rate (2013-2018)

Figure Europe Serine Sales Price (USD/MT) Trend (2013-2018)
Table Europe Serine Sales Volume (K MT) by Players (2013-2018)
Table Europe Serine Sales Volume Market Share by Players (2013-2018)
Figure Europe Serine Sales Volume Market Share by Players in 2017
Table Europe Serine Sales Volume (K MT) by Type (2013-2018)
Table Europe Serine Sales Volume Market Share by Type (2013-2018)
Figure Europe Serine Sales Volume Market Share by Type in 2017
Table Europe Serine Sales Volume (K MT) by Application (2013-2018)
Table Europe Serine Sales Volume Market Share by Application (2013-2018)
Figure Europe Serine Sales Volume Market Share by Application in 2017
Figure China Serine Sales (K MT) and Growth Rate (2013-2018)
Figure China Serine Revenue (Million USD) and Growth Rate (2013-2018)
Figure China Serine Sales Price (USD/MT) Trend (2013-2018)
Table China Serine Sales Volume (K MT) by Players (2013-2018)
Table China Serine Sales Volume Market Share by Players (2013-2018)
Figure China Serine Sales Volume Market Share by Players in 2017
Table China Serine Sales Volume (K MT) by Type (2013-2018)
Table China Serine Sales Volume Market Share by Type (2013-2018)
Figure China Serine Sales Volume Market Share by Type in 2017
Table China Serine Sales Volume (K MT) by Application (2013-2018)
Table China Serine Sales Volume Market Share by Application (2013-2018)
Figure China Serine Sales Volume Market Share by Application in 2017
Figure Japan Serine Sales (K MT) and Growth Rate (2013-2018)
Figure Japan Serine Revenue (Million USD) and Growth Rate (2013-2018)
Figure Japan Serine Sales Price (USD/MT) Trend (2013-2018)
Table Japan Serine Sales Volume (K MT) by Players (2013-2018)
Table Japan Serine Sales Volume Market Share by Players (2013-2018)
Figure Japan Serine Sales Volume Market Share by Players in 2017
Table Japan Serine Sales Volume (K MT) by Type (2013-2018)
Table Japan Serine Sales Volume Market Share by Type (2013-2018)
Figure Japan Serine Sales Volume Market Share by Type in 2017
Table Japan Serine Sales Volume (K MT) by Application (2013-2018)
Table Japan Serine Sales Volume Market Share by Application (2013-2018)
Figure Japan Serine Sales Volume Market Share by Application in 2017
Figure Southeast Asia Serine Sales (K MT) and Growth Rate (2013-2018)
Figure Southeast Asia Serine Revenue (Million USD) and Growth Rate (2013-2018)
Figure Southeast Asia Serine Sales Price (USD/MT) Trend (2013-2018)
Table Southeast Asia Serine Sales Volume (K MT) by Players (2013-2018)
Table Southeast Asia Serine Sales Volume Market Share by Players (2013-2018)

Figure Southeast Asia Serine Sales Volume Market Share by Players in 2017
Table Southeast Asia Serine Sales Volume (K MT) by Type (2013-2018)
Table Southeast Asia Serine Sales Volume Market Share by Type (2013-2018)
Figure Southeast Asia Serine Sales Volume Market Share by Type in 2017
Table Southeast Asia Serine Sales Volume (K MT) by Application (2013-2018)
Table Southeast Asia Serine Sales Volume Market Share by Application (2013-2018)
Figure Southeast Asia Serine Sales Volume Market Share by Application in 2017
Figure India Serine Sales (K MT) and Growth Rate (2013-2018)
Figure India Serine Revenue (Million USD) and Growth Rate (2013-2018)
Figure India Serine Sales Price (USD/MT) Trend (2013-2018)
Table India Serine Sales Volume (K MT) by Players (2013-2018)
Table India Serine Sales Volume Market Share by Players (2013-2018)
Figure India Serine Sales Volume Market Share by Players in 2017
Table India Serine Sales Volume (K MT) by Type (2013-2018)
Table India Serine Sales Volume Market Share by Type (2013-2018)
Figure India Serine Sales Volume Market Share by Type in 2017
Table India Serine Sales Volume (K MT) by Application (2013-2018)
Table India Serine Sales Volume Market Share by Application (2013-2018)
Figure India Serine Sales Volume Market Share by Application in 2017
Table Ajinomoto Basic Information List
Table Ajinomoto Serine Sales (K MT), Revenue (Million USD), Price (USD/MT) and Gross Margin (2013-2018)
Figure Ajinomoto Serine Sales Growth Rate (2013-2018)
Figure Ajinomoto Serine Sales Global Market Share (2013-2018)
Figure Ajinomoto Serine Revenue Global Market Share (2013-2018)
Table Evonik Basic Information List
Table Evonik Serine Sales (K MT), Revenue (Million USD), Price (USD/MT) and Gross Margin (2013-2018)
Figure Evonik Serine Sales Growth Rate (2013-2018)
Figure Evonik Serine Sales Global Market Share (2013-2018)
Figure Evonik Serine Revenue Global Market Share (2013-2018)
Table KYOWA Basic Information List
Table KYOWA Serine Sales (K MT), Revenue (Million USD), Price (USD/MT) and Gross Margin (2013-2018)
Figure KYOWA Serine Sales Growth Rate (2013-2018)
Figure KYOWA Serine Sales Global Market Share (2013-2018)
Figure KYOWA Serine Revenue Global Market Share (2013-2018)
Table Mitsui Chemicals Basic Information List
Table Mitsui Chemicals Serine Sales (K MT), Revenue (Million USD), Price (USD/MT)

and Gross Margin (2013-2018)

Figure Mitsui Chemicals Serine Sales Growth Rate (2013-2018)

Figure Mitsui Chemicals Serine Sales Global Market Share (2013-2018)

Figure Mitsui Chemicals Serine Revenue Global Market Share (2013-2018)

Table Amino Basic Information List

Table Amino Serine Sales (K MT), Revenue (Million USD), Price (USD/MT) and Gross Margin (2013-2018)

Figure Amino Serine Sales Growth Rate (2013-2018)

Figure Amino Serine Sales Global Market Share (2013-2018)

Figure Amino Serine Revenue Global Market Share (2013-2018)

Table Wuxi Jinghai Amino Acid Basic Information List

Table Wuxi Jinghai Amino Acid Serine Sales (K MT), Revenue (Million USD), Price (USD/MT) and Gross Margin (2013-2018)

Figure Wuxi Jinghai Amino Acid Serine Sales Growth Rate (2013-2018)

Figure Wuxi Jinghai Amino Acid Serine Sales Global Market Share (2013-2018)

Figure Wuxi Jinghai Amino Acid Serine Revenue Global Market Share (2013-2018)

Table Puyer Biopharma Basic Information List

Table Puyer Biopharma Serine Sales (K MT), Revenue (Million USD), Price (USD/MT) and Gross Margin (2013-2018)

Figure Puyer Biopharma Serine Sales Growth Rate (2013-2018)

Figure Puyer Biopharma Serine Sales Global Market Share (2013-2018)

Figure Puyer Biopharma Serine Revenue Global Market Share (2013-2018)

Table Bafeng Pharmaceutical Basic Information List

Table Bafeng Pharmaceutical Serine Sales (K MT), Revenue (Million USD), Price (USD/MT) and Gross Margin (2013-2018)

Figure Bafeng Pharmaceutical Serine Sales Growth Rate (2013-2018)

Figure Bafeng Pharmaceutical Serine Sales Global Market Share (2013-2018)

Figure Bafeng Pharmaceutical Serine Revenue Global Market Share (2013-2018)

Table Jiahe Biotech Basic Information List

Table Jiahe Biotech Serine Sales (K MT), Revenue (Million USD), Price (USD/MT) and Gross Margin (2013-2018)

Figure Jiahe Biotech Serine Sales Growth Rate (2013-2018)

Figure Jiahe Biotech Serine Sales Global Market Share (2013-2018)

Figure Jiahe Biotech Serine Revenue Global Market Share (2013-2018)

Table Hua Yang Chemical Basic Information List

Table Hua Yang Chemical Serine Sales (K MT), Revenue (Million USD), Price (USD/MT) and Gross Margin (2013-2018)

Figure Hua Yang Chemical Serine Sales Growth Rate (2013-2018)

Figure Hua Yang Chemical Serine Sales Global Market Share (2013-2018)

Figure Hua Yang Chemical Serine Revenue Global Market Share (2013-2018)
Table Production Base and Market Concentration Rate of Raw Material
Figure Price Trend of Key Raw Materials
Table Key Suppliers of Raw Materials
Figure Manufacturing Cost Structure of Serine
Figure Manufacturing Process Analysis of Serine
Figure Serine Industrial Chain Analysis
Table Raw Materials Sources of Serine Major Players in 2017
Table Major Buyers of Serine
Table Distributors/Traders List
Figure Global Serine Sales Volume (K MT) and Growth Rate Forecast (2018-2025)
Figure Global Serine Revenue (Million USD) and Growth Rate Forecast (2018-2025)
Figure Global Serine Price (USD/MT) and Trend Forecast (2018-2025)
Table Global Serine Sales Volume (K MT) Forecast by Regions (2018-2025)
Figure Global Serine Sales Volume Market Share Forecast by Regions (2018-2025)
Figure Global Serine Sales Volume Market Share Forecast by Regions in 2025
Table Global Serine Revenue (Million USD) Forecast by Regions (2018-2025)
Figure Global Serine Revenue Market Share Forecast by Regions (2018-2025)
Figure Global Serine Revenue Market Share Forecast by Regions in 2025
Figure United States Serine Sales Volume (K MT) and Growth Rate Forecast (2018-2025)
Figure United States Serine Revenue (Million USD) and Growth Rate Forecast (2018-2025)
Figure Europe Serine Sales Volume (K MT) and Growth Rate Forecast (2018-2025)
Figure Europe Serine Revenue and Growth Rate Forecast (2018-2025)
Figure China Serine Sales Volume (K MT) and Growth Rate Forecast (2018-2025)
Figure China Serine Revenue (Million USD) and Growth Rate Forecast (2018-2025)
Figure Japan Serine Sales Volume (K MT) and Growth Rate Forecast (2018-2025)
Figure Japan Serine Revenue (Million USD) and Growth Rate Forecast (2018-2025)
Figure Southeast Asia Serine Sales Volume (K MT) and Growth Rate Forecast (2018-2025)
Figure Southeast Asia Serine Revenue (Million USD) and Growth Rate Forecast (2018-2025)
Figure India Serine Sales Volume (K MT) and Growth Rate Forecast (2018-2025)
Figure India Serine Revenue (Million USD) and Growth Rate Forecast (2018-2025)
Table Global Serine Sales (K MT) Forecast by Type (2018-2025)
Figure Global Serine Sales Volume Market Share Forecast by Type (2018-2025)
Table Global Serine Revenue (Million USD) Forecast by Type (2018-2025)
Figure Global Serine Revenue Market Share Forecast by Type (2018-2025)

Table Global Serine Price (USD/MT) Forecast by Type (2018-2025)
Table Global Serine Sales (K MT) Forecast by Application (2018-2025)
Figure Global Serine Sales Market Share Forecast by Application (2018-2025)
Table Research Programs/Design for This Report
Figure Bottom-up and Top-down Approaches for This Report
Figure Data Triangulation
Table Key Data Information from Secondary Sources
Table Key Data Information from Primary Sources

I would like to order

Product name: Global Serine Sales Market Report 2018

Product link: <https://marketpublishers.com/r/GC5E90608E3EN.html>

Price: US\$ 4,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GC5E90608E3EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970