

Global L-serine Market Insights, Forecast to 2026

<https://marketpublishers.com/r/G7CB0DF24120EN.html>

Date: June 2020

Pages: 112

Price: US\$ 3,900.00 (Single User License)

ID: G7CB0DF24120EN

Abstracts

L-serine, a white crystalline solid or powder without odour, 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.

L-Serine, a white crystalline solid or powder, is usually used as APIs during the medicine synthesis. Also, it can be used in other industries, such as food industry, cosmetics industry and so on.

Among those applications, demand from pharm industry accounted for the largest consumption proportion, which was 44.80% in 2015, followed by food industry with the share of 43.64%.

In the past few years, limited by technology issues, the production of L-serine was mainly dominated by the companies from Europe, USA and Japan. Actually, although some new companies from developing countries, such as China, have entered into the industry, they have to face the technology obstacles, such as the yield rate as well as product performance issues. Leading companies, such as Ajinomoto and Evonik, have large market share of L-serine and highest reputation on their L-serine.

Japan, USA and Europe are the major production bases of L-serine in the world. The three regions held about 77% production share in 2015. As for China, since Ajinomoto, Evonik as well as other companies built plants in the region in the past few years, the country's L-serine business also develops fast.

Refers to consumption, Europe is the largest consumer. The region consumed about 1870 MT L-serine in 2015. The follower is USA, which consumed about 1450 MT.

Considering the current status, information revealed that the L-serine market will keep increasing in the coming years. It is believed that more and more companies will enter in the field once the technology barrier is broken. Also, the industry will witness fierce competition and price decline further in the next few years.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the L-serine 3900

market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the L-serine 3900 industry.

Based on our recent survey, we have several different scenarios about the L-serine 3900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 298.6 million in 2019. The market size of L-serine 3900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026. With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global L-serine market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global L-serine market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global L-serine market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Sales and Pricing Analyses

Readers are provided with deeper sales analysis and pricing analysis for the global L-serine market. As part of sales analysis, the report offers accurate statistics and figures for sales and revenue by region, by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for the price by players and price by region for the period 2015-2020 and price by each type segment for the period 2015-2020.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global L-serine market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia,

Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of sales for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global L-serine market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global L-serine market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global L-serine market.

The following manufacturers are covered in this report:

Ajinomoto

Evonik

Kyowa Hakko Bio

Mitsui Chemicals

Amino

Bafeng Pharmaceutical & Chemical

Jinghai Amino Acid

Tianan Pharmaceuticals

Jiahe Biotech

Huayang Chemical

Puyer BioPharm

L-serine Breakdown Data by Type

Pharm Grade

Food Grade

L-serine Breakdown Data by Application

Pharmaceutical

Food

Cosmetics

Others

Contents

1 STUDY COVERAGE

- 1.1 L-serine Product Introduction
- 1.2 Market Segments
- 1.3 Key L-serine Manufacturers Covered: Ranking by Revenue
- 1.4 Market by Type
 - 1.4.1 Global L-serine Market Size Growth Rate by Type
 - 1.4.2 Pharm Grade
 - 1.4.3 Food Grade
- 1.5 Market by Application
 - 1.5.1 Global L-serine Market Size Growth Rate by Application
 - 1.5.2 Pharmaceutical
 - 1.5.3 Food
 - 1.5.4 Cosmetics
 - 1.5.5 Others
- 1.6 Coronavirus Disease 2019 (Covid-19): L-serine Industry Impact
 - 1.6.1 How the Covid-19 is Affecting the L-serine Industry
 - 1.6.1.1 L-serine Business Impact Assessment - Covid-19
 - 1.6.1.2 Supply Chain Challenges
 - 1.6.1.3 COVID-19's Impact On Crude Oil and Refined Products
 - 1.6.2 Market Trends and L-serine Potential Opportunities in the COVID-19 Landscape
 - 1.6.3 Measures / Proposal against Covid-19
 - 1.6.3.1 Government Measures to Combat Covid-19 Impact
 - 1.6.3.2 Proposal for L-serine Players to Combat Covid-19 Impact
- 1.7 Study Objectives
- 1.8 Years Considered

2 EXECUTIVE SUMMARY

- 2.1 Global L-serine Market Size Estimates and Forecasts
 - 2.1.1 Global L-serine Revenue 2015-2026
 - 2.1.2 Global L-serine Sales 2015-2026
- 2.2 L-serine Market Size by Region: 2020 Versus 2026
 - 2.2.1 Global L-serine Retrospective Market Scenario in Sales by Region: 2015-2020
 - 2.2.2 Global L-serine Retrospective Market Scenario in Revenue by Region: 2015-2020

3 GLOBAL L-SERINE COMPETITOR LANDSCAPE BY PLAYERS

3.1 L-serine Sales by Manufacturers

3.1.1 L-serine Sales by Manufacturers (2015-2020)

3.1.2 L-serine Sales Market Share by Manufacturers (2015-2020)

3.2 L-serine Revenue by Manufacturers

3.2.1 L-serine Revenue by Manufacturers (2015-2020)

3.2.2 L-serine Revenue Share by Manufacturers (2015-2020)

3.2.3 Global L-serine Market Concentration Ratio (CR5 and HHI) (2015-2020)

3.2.4 Global Top 10 and Top 5 Companies by L-serine Revenue in 2019

3.2.5 Global L-serine Market Share by Company Type (Tier 1, Tier 2 and Tier 3)

3.3 L-serine Price by Manufacturers

3.4 L-serine Manufacturing Base Distribution, Product Types

3.4.1 L-serine Manufacturers Manufacturing Base Distribution, Headquarters

3.4.2 Manufacturers L-serine Product Type

3.4.3 Date of International Manufacturers Enter into L-serine Market

3.5 Manufacturers Mergers & Acquisitions, Expansion Plans

4 BREAKDOWN DATA BY TYPE (2015-2026)

4.1 Global L-serine Market Size by Type (2015-2020)

4.1.1 Global L-serine Sales by Type (2015-2020)

4.1.2 Global L-serine Revenue by Type (2015-2020)

4.1.3 L-serine Average Selling Price (ASP) by Type (2015-2026)

4.2 Global L-serine Market Size Forecast by Type (2021-2026)

4.2.1 Global L-serine Sales Forecast by Type (2021-2026)

4.2.2 Global L-serine Revenue Forecast by Type (2021-2026)

4.2.3 L-serine Average Selling Price (ASP) Forecast by Type (2021-2026)

4.3 Global L-serine Market Share by Price Tier (2015-2020): Low-End, Mid-Range and High-End

5 BREAKDOWN DATA BY APPLICATION (2015-2026)

5.1 Global L-serine Market Size by Application (2015-2020)

5.1.1 Global L-serine Sales by Application (2015-2020)

5.1.2 Global L-serine Revenue by Application (2015-2020)

5.1.3 L-serine Price by Application (2015-2020)

5.2 L-serine Market Size Forecast by Application (2021-2026)

5.2.1 Global L-serine Sales Forecast by Application (2021-2026)

5.2.2 Global L-serine Revenue Forecast by Application (2021-2026)

5.2.3 Global L-serine Price Forecast by Application (2021-2026)

6 NORTH AMERICA

6.1 North America L-serine by Country

6.1.1 North America L-serine Sales by Country

6.1.2 North America L-serine Revenue by Country

6.1.3 U.S.

6.1.4 Canada

6.2 North America L-serine Market Facts & Figures by Type

6.3 North America L-serine Market Facts & Figures by Application

7 EUROPE

7.1 Europe L-serine by Country

7.1.1 Europe L-serine Sales by Country

7.1.2 Europe L-serine Revenue by Country

7.1.3 Germany

7.1.4 France

7.1.5 U.K.

7.1.6 Italy

7.1.7 Russia

7.2 Europe L-serine Market Facts & Figures by Type

7.3 Europe L-serine Market Facts & Figures by Application

8 ASIA PACIFIC

8.1 Asia Pacific L-serine by Region

8.1.1 Asia Pacific L-serine Sales by Region

8.1.2 Asia Pacific L-serine Revenue by Region

8.1.3 China

8.1.4 Japan

8.1.5 South Korea

8.1.6 India

8.1.7 Australia

8.1.8 Taiwan

8.1.9 Indonesia

8.1.10 Thailand

8.1.11 Malaysia

8.1.12 Philippines

8.1.13 Vietnam

8.2 Asia Pacific L-serine Market Facts & Figures by Type

8.3 Asia Pacific L-serine Market Facts & Figures by Application

9 LATIN AMERICA

9.1 Latin America L-serine by Country

9.1.1 Latin America L-serine Sales by Country

9.1.2 Latin America L-serine Revenue by Country

9.1.3 Mexico

9.1.4 Brazil

9.1.5 Argentina

9.2 Central & South America L-serine Market Facts & Figures by Type

9.3 Central & South America L-serine Market Facts & Figures by Application

10 MIDDLE EAST AND AFRICA

10.1 Middle East and Africa L-serine by Country

10.1.1 Middle East and Africa L-serine Sales by Country

10.1.2 Middle East and Africa L-serine Revenue by Country

10.1.3 Turkey

10.1.4 Saudi Arabia

10.1.5 UAE

10.2 Middle East and Africa L-serine Market Facts & Figures by Type

10.3 Middle East and Africa L-serine Market Facts & Figures by Application

11 COMPANY PROFILES

11.1 Ajinomoto

11.1.1 Ajinomoto Corporation Information

11.1.2 Ajinomoto Description, Business Overview and Total Revenue

11.1.3 Ajinomoto Sales, Revenue and Gross Margin (2015-2020)

11.1.4 Ajinomoto L-serine Products Offered

11.1.5 Ajinomoto Recent Development

11.2 Evonik

11.2.1 Evonik Corporation Information

11.2.2 Evonik Description, Business Overview and Total Revenue

- 11.2.3 Evonik Sales, Revenue and Gross Margin (2015-2020)
- 11.2.4 Evonik L-serine Products Offered
- 11.2.5 Evonik Recent Development
- 11.3 Kyowa Hakko Bio
 - 11.3.1 Kyowa Hakko Bio Corporation Information
 - 11.3.2 Kyowa Hakko Bio Description, Business Overview and Total Revenue
 - 11.3.3 Kyowa Hakko Bio Sales, Revenue and Gross Margin (2015-2020)
 - 11.3.4 Kyowa Hakko Bio L-serine Products Offered
 - 11.3.5 Kyowa Hakko Bio Recent Development
- 11.4 Mitsui Chemicals
 - 11.4.1 Mitsui Chemicals Corporation Information
 - 11.4.2 Mitsui Chemicals Description, Business Overview and Total Revenue
 - 11.4.3 Mitsui Chemicals Sales, Revenue and Gross Margin (2015-2020)
 - 11.4.4 Mitsui Chemicals L-serine Products Offered
 - 11.4.5 Mitsui Chemicals Recent Development
- 11.5 Amino
 - 11.5.1 Amino Corporation Information
 - 11.5.2 Amino Description, Business Overview and Total Revenue
 - 11.5.3 Amino Sales, Revenue and Gross Margin (2015-2020)
 - 11.5.4 Amino L-serine Products Offered
 - 11.5.5 Amino Recent Development
- 11.6 Bafeng Pharmaceutical & Chemical
 - 11.6.1 Bafeng Pharmaceutical & Chemical Corporation Information
 - 11.6.2 Bafeng Pharmaceutical & Chemical Description, Business Overview and Total Revenue
 - 11.6.3 Bafeng Pharmaceutical & Chemical Sales, Revenue and Gross Margin (2015-2020)
 - 11.6.4 Bafeng Pharmaceutical & Chemical L-serine Products Offered
 - 11.6.5 Bafeng Pharmaceutical & Chemical Recent Development
- 11.7 Jinghai Amino Acid
 - 11.7.1 Jinghai Amino Acid Corporation Information
 - 11.7.2 Jinghai Amino Acid Description, Business Overview and Total Revenue
 - 11.7.3 Jinghai Amino Acid Sales, Revenue and Gross Margin (2015-2020)
 - 11.7.4 Jinghai Amino Acid L-serine Products Offered
 - 11.7.5 Jinghai Amino Acid Recent Development
- 11.8 Tianan Pharmaceuticals
 - 11.8.1 Tianan Pharmaceuticals Corporation Information
 - 11.8.2 Tianan Pharmaceuticals Description, Business Overview and Total Revenue
 - 11.8.3 Tianan Pharmaceuticals Sales, Revenue and Gross Margin (2015-2020)

- 11.8.4 Tianan Pharmaceuticals L-serine Products Offered
- 11.8.5 Tianan Pharmaceuticals Recent Development
- 11.9 Jiahe Biotech
 - 11.9.1 Jiahe Biotech Corporation Information
 - 11.9.2 Jiahe Biotech Description, Business Overview and Total Revenue
 - 11.9.3 Jiahe Biotech Sales, Revenue and Gross Margin (2015-2020)
 - 11.9.4 Jiahe Biotech L-serine Products Offered
 - 11.9.5 Jiahe Biotech Recent Development
- 11.10 Huayang Chemical
 - 11.10.1 Huayang Chemical Corporation Information
 - 11.10.2 Huayang Chemical Description, Business Overview and Total Revenue
 - 11.10.3 Huayang Chemical Sales, Revenue and Gross Margin (2015-2020)
 - 11.10.4 Huayang Chemical L-serine Products Offered
 - 11.10.5 Huayang Chemical Recent Development
- 11.1 Ajinomoto
 - 11.1.1 Ajinomoto Corporation Information
 - 11.1.2 Ajinomoto Description, Business Overview and Total Revenue
 - 11.1.3 Ajinomoto Sales, Revenue and Gross Margin (2015-2020)
 - 11.1.4 Ajinomoto L-serine Products Offered
 - 11.1.5 Ajinomoto Recent Development

12 FUTURE FORECAST BY REGIONS (COUNTRIES) (2021-2026)

- 12.1 L-serine Market Estimates and Projections by Region
 - 12.1.1 Global L-serine Sales Forecast by Regions 2021-2026
 - 12.1.2 Global L-serine Revenue Forecast by Regions 2021-2026
- 12.2 North America L-serine Market Size Forecast (2021-2026)
 - 12.2.1 North America: L-serine Sales Forecast (2021-2026)
 - 12.2.2 North America: L-serine Revenue Forecast (2021-2026)
 - 12.2.3 North America: L-serine Market Size Forecast by Country (2021-2026)
- 12.3 Europe L-serine Market Size Forecast (2021-2026)
 - 12.3.1 Europe: L-serine Sales Forecast (2021-2026)
 - 12.3.2 Europe: L-serine Revenue Forecast (2021-2026)
 - 12.3.3 Europe: L-serine Market Size Forecast by Country (2021-2026)
- 12.4 Asia Pacific L-serine Market Size Forecast (2021-2026)
 - 12.4.1 Asia Pacific: L-serine Sales Forecast (2021-2026)
 - 12.4.2 Asia Pacific: L-serine Revenue Forecast (2021-2026)
 - 12.4.3 Asia Pacific: L-serine Market Size Forecast by Region (2021-2026)
- 12.5 Latin America L-serine Market Size Forecast (2021-2026)

- 12.5.1 Latin America: L-serine Sales Forecast (2021-2026)
- 12.5.2 Latin America: L-serine Revenue Forecast (2021-2026)
- 12.5.3 Latin America: L-serine Market Size Forecast by Country (2021-2026)
- 12.6 Middle East and Africa L-serine Market Size Forecast (2021-2026)
 - 12.6.1 Middle East and Africa: L-serine Sales Forecast (2021-2026)
 - 12.6.2 Middle East and Africa: L-serine Revenue Forecast (2021-2026)
 - 12.6.3 Middle East and Africa: L-serine Market Size Forecast by Country (2021-2026)

13 MARKET OPPORTUNITIES, CHALLENGES, RISKS AND INFLUENCES FACTORS ANALYSIS

- 13.1 Market Opportunities and Drivers
- 13.2 Market Challenges
- 13.3 Market Risks/Restraints
- 13.4 Porter's Five Forces Analysis
- 13.5 Primary Interviews with Key L-serine Players (Opinion Leaders)

14 VALUE CHAIN AND SALES CHANNELS ANALYSIS

- 14.1 Value Chain Analysis
- 14.2 L-serine Customers
- 14.3 Sales Channels Analysis
 - 14.3.1 Sales Channels
 - 14.3.2 Distributors

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Research Methodology
 - 16.1.1 Methodology/Research Approach
 - 16.1.2 Data Source
- 16.2 Author Details

List Of Tables

LIST OF TABLES

Table 1. L-serine Market Segments

Table 2. Ranking of Global Top L-serine Manufacturers by Revenue (US\$ Million) in 2019

Table 3. Global L-serine Market Size Growth Rate by Type 2020-2026 (K MT) & (US\$ Million)

Table 4. Major Manufacturers of Pharm Grade

Table 5. Major Manufacturers of Food Grade

Table 6. COVID-19 Impact Global Market: (Four L-serine Market Size Forecast Scenarios)

Table 7. Opportunities and Trends for L-serine Players in the COVID-19 Landscape

Table 8. Present Opportunities in China & Elsewhere Due to the Coronavirus Crisis

Table 9. Key Regions/Countries Measures against Covid-19 Impact

Table 10. Proposal for L-serine Players to Combat Covid-19 Impact

Table 11. Global L-serine Market Size Growth Rate by Application 2020-2026 (K MT)

Table 12. Global L-serine Market Size by Region (K MT) & (US\$ Million): 2020 VS 2026

Table 13. Global L-serine Sales by Regions 2015-2020 (K MT)

Table 14. Global L-serine Sales Market Share by Regions (2015-2020)

Table 15. Global L-serine Revenue by Regions 2015-2020 (US\$ Million)

Table 16. Global L-serine Sales by Manufacturers (2015-2020) (K MT)

Table 17. Global L-serine Sales Share by Manufacturers (2015-2020)

Table 18. Global L-serine Manufacturers Market Concentration Ratio (CR5 and HHI) (2015-2020)

Table 19. Global L-serine by Company Type (Tier 1, Tier 2 and Tier 3) (based on the Revenue in L-serine as of 2019)

Table 20. L-serine Revenue by Manufacturers (2015-2020) (US\$ Million)

Table 21. L-serine Revenue Share by Manufacturers (2015-2020)

Table 22. Key Manufacturers L-serine Price (2015-2020) (USD/MT)

Table 23. L-serine Manufacturers Manufacturing Base Distribution and Headquarters

Table 24. Manufacturers L-serine Product Type

Table 25. Date of International Manufacturers Enter into L-serine Market

Table 26. Manufacturers Mergers & Acquisitions, Expansion Plans

Table 27. Global L-serine Sales by Type (2015-2020) (K MT)

Table 28. Global L-serine Sales Share by Type (2015-2020)

Table 29. Global L-serine Revenue by Type (2015-2020) (US\$ Million)

Table 30. Global L-serine Revenue Share by Type (2015-2020)

- Table 31. L-serine Average Selling Price (ASP) by Type 2015-2020 (USD/MT)
- Table 32. Global L-serine Sales by Application (2015-2020) (K MT)
- Table 33. Global L-serine Sales Share by Application (2015-2020)
- Table 34. North America L-serine Sales by Country (2015-2020) (K MT)
- Table 35. North America L-serine Sales Market Share by Country (2015-2020)
- Table 36. North America L-serine Revenue by Country (2015-2020) (US\$ Million)
- Table 37. North America L-serine Revenue Market Share by Country (2015-2020)
- Table 38. North America L-serine Sales by Type (2015-2020) (K MT)
- Table 39. North America L-serine Sales Market Share by Type (2015-2020)
- Table 40. North America L-serine Sales by Application (2015-2020) (K MT)
- Table 41. North America L-serine Sales Market Share by Application (2015-2020)
- Table 42. Europe L-serine Sales by Country (2015-2020) (K MT)
- Table 43. Europe L-serine Sales Market Share by Country (2015-2020)
- Table 44. Europe L-serine Revenue by Country (2015-2020) (US\$ Million)
- Table 45. Europe L-serine Revenue Market Share by Country (2015-2020)
- Table 46. Europe L-serine Sales by Type (2015-2020) (K MT)
- Table 47. Europe L-serine Sales Market Share by Type (2015-2020)
- Table 48. Europe L-serine Sales by Application (2015-2020) (K MT)
- Table 49. Europe L-serine Sales Market Share by Application (2015-2020)
- Table 50. Asia Pacific L-serine Sales by Region (2015-2020) (K MT)
- Table 51. Asia Pacific L-serine Sales Market Share by Region (2015-2020)
- Table 52. Asia Pacific L-serine Revenue by Region (2015-2020) (US\$ Million)
- Table 53. Asia Pacific L-serine Revenue Market Share by Region (2015-2020)
- Table 54. Asia Pacific L-serine Sales by Type (2015-2020) (K MT)
- Table 55. Asia Pacific L-serine Sales Market Share by Type (2015-2020)
- Table 56. Asia Pacific L-serine Sales by Application (2015-2020) (K MT)
- Table 57. Asia Pacific L-serine Sales Market Share by Application (2015-2020)
- Table 58. Latin America L-serine Sales by Country (2015-2020) (K MT)
- Table 59. Latin America L-serine Sales Market Share by Country (2015-2020)
- Table 60. Latin America L-serine Revenue by Country (2015-2020) (US\$ Million)
- Table 61. Latin America L-serine Revenue Market Share by Country (2015-2020)
- Table 62. Latin America L-serine Sales by Type (2015-2020) (K MT)
- Table 63. Latin America L-serine Sales Market Share by Type (2015-2020)
- Table 64. Latin America L-serine Sales by Application (2015-2020) (K MT)
- Table 65. Latin America L-serine Sales Market Share by Application (2015-2020)
- Table 66. Middle East and Africa L-serine Sales by Country (2015-2020) (K MT)
- Table 67. Middle East and Africa L-serine Sales Market Share by Country (2015-2020)
- Table 68. Middle East and Africa L-serine Revenue by Country (2015-2020) (US\$ Million)

- Table 69. Middle East and Africa L-serine Revenue Market Share by Country (2015-2020)
- Table 70. Middle East and Africa L-serine Sales by Type (2015-2020) (K MT)
- Table 71. Middle East and Africa L-serine Sales Market Share by Type (2015-2020)
- Table 72. Middle East and Africa L-serine Sales by Application (2015-2020) (K MT)
- Table 73. Middle East and Africa L-serine Sales Market Share by Application (2015-2020)
- Table 74. Ajinomoto Corporation Information
- Table 75. Ajinomoto Description and Major Businesses
- Table 76. Ajinomoto L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 77. Ajinomoto Product
- Table 78. Ajinomoto Recent Development
- Table 79. Evonik Corporation Information
- Table 80. Evonik Description and Major Businesses
- Table 81. Evonik L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 82. Evonik Product
- Table 83. Evonik Recent Development
- Table 84. Kyowa Hakko Bio Corporation Information
- Table 85. Kyowa Hakko Bio Description and Major Businesses
- Table 86. Kyowa Hakko Bio L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 87. Kyowa Hakko Bio Product
- Table 88. Kyowa Hakko Bio Recent Development
- Table 89. Mitsui Chemicals Corporation Information
- Table 90. Mitsui Chemicals Description and Major Businesses
- Table 91. Mitsui Chemicals L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 92. Mitsui Chemicals Product
- Table 93. Mitsui Chemicals Recent Development
- Table 94. Amino Corporation Information
- Table 95. Amino Description and Major Businesses
- Table 96. Amino L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 97. Amino Product
- Table 98. Amino Recent Development
- Table 99. Bafeng Pharmaceutical & Chemical Corporation Information
- Table 100. Bafeng Pharmaceutical & Chemical Description and Major Businesses

- Table 101. Bafeng Pharmaceutical & Chemical L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 102. Bafeng Pharmaceutical & Chemical Product
- Table 103. Bafeng Pharmaceutical & Chemical Recent Development
- Table 104. Jinghai Amino Acid Corporation Information
- Table 105. Jinghai Amino Acid Description and Major Businesses
- Table 106. Jinghai Amino Acid L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 107. Jinghai Amino Acid Product
- Table 108. Jinghai Amino Acid Recent Development
- Table 109. Tianan Pharmaceuticals Corporation Information
- Table 110. Tianan Pharmaceuticals Description and Major Businesses
- Table 111. Tianan Pharmaceuticals L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 112. Tianan Pharmaceuticals Product
- Table 113. Tianan Pharmaceuticals Recent Development
- Table 114. Jiahe Biotech Corporation Information
- Table 115. Jiahe Biotech Description and Major Businesses
- Table 116. Jiahe Biotech L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 117. Jiahe Biotech Product
- Table 118. Jiahe Biotech Recent Development
- Table 119. Huayang Chemical Corporation Information
- Table 120. Huayang Chemical Description and Major Businesses
- Table 121. Huayang Chemical L-serine Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 122. Huayang Chemical Product
- Table 123. Huayang Chemical Recent Development
- Table 124. Puyer BioPharm Corporation Information
- Table 125. Puyer BioPharm Description and Major Businesses
- Table 126. Puyer BioPharm L-serine Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2015-2020)
- Table 127. Puyer BioPharm Product
- Table 128. Puyer BioPharm Recent Development
- Table 129. Global L-serine Sales Forecast by Regions (2021-2026) (K MT)
- Table 130. Global L-serine Sales Market Share Forecast by Regions (2021-2026)
- Table 131. Global L-serine Revenue Forecast by Regions (2021-2026) (US\$ Million)
- Table 132. Global L-serine Revenue Market Share Forecast by Regions (2021-2026)
- Table 133. North America: L-serine Sales Forecast by Country (2021-2026) (K MT)

Table 134. North America: L-serine Revenue Forecast by Country (2021-2026) (US\$ Million)

Table 135. Europe: L-serine Sales Forecast by Country (2021-2026) (K MT)

Table 136. Europe: L-serine Revenue Forecast by Country (2021-2026) (US\$ Million)

Table 137. Asia Pacific: L-serine Sales Forecast by Region (2021-2026) (K MT)

Table 138. Asia Pacific: L-serine Revenue Forecast by Region (2021-2026) (US\$ Million)

Table 139. Latin America: L-serine Sales Forecast by Country (2021-2026) (K MT)

Table 140. Latin America: L-serine Revenue Forecast by Country (2021-2026) (US\$ Million)

Table 141. Middle East and Africa: L-serine Sales Forecast by Country (2021-2026) (K MT)

Table 142. Middle East and Africa: L-serine Revenue Forecast by Country (2021-2026) (US\$ Million)

Table 143. Key Opportunities and Drivers: Impact Analysis (2021-2026)

Table 144. Key Challenges

Table 145. Market Risks

Table 146. Main Points Interviewed from Key L-serine Players

Table 147. L-serine Customers List

Table 148. L-serine Distributors List

Table 149. Research Programs/Design for This Report

Table 150. Key Data Information from Secondary Sources

Table 151. Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

- Figure 1. L-serine Product Picture
- Figure 2. Global L-serine Sales Market Share by Type in 2020 & 2026
- Figure 3. Pharm Grade Product Picture
- Figure 4. Food Grade Product Picture
- Figure 5. Global L-serine Sales Market Share by Application in 2020 & 2026
- Figure 6. Pharmaceutical
- Figure 7. Food
- Figure 8. Cosmetics
- Figure 9. Others
- Figure 10. L-serine Report Years Considered
- Figure 11. Global L-serine Market Size 2015-2026 (US\$ Million)
- Figure 12. Global L-serine Sales 2015-2026 (K MT)
- Figure 13. Global L-serine Market Size Market Share by Region: 2020 Versus 2026
- Figure 14. Global L-serine Sales Market Share by Region (2015-2020)
- Figure 15. Global L-serine Sales Market Share by Region in 2019
- Figure 16. Global L-serine Revenue Market Share by Region (2015-2020)
- Figure 17. Global L-serine Revenue Market Share by Region in 2019
- Figure 18. Global L-serine Sales Share by Manufacturer in 2019
- Figure 19. The Top 10 and 5 Players Market Share by L-serine Revenue in 2019
- Figure 20. L-serine Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2015 VS 2019
- Figure 21. Global L-serine Sales Market Share by Type (2015-2020)
- Figure 22. Global L-serine Sales Market Share by Type in 2019
- Figure 23. Global L-serine Revenue Market Share by Type (2015-2020)
- Figure 24. Global L-serine Revenue Market Share by Type in 2019
- Figure 25. Global L-serine Market Share by Price Range (2015-2020)
- Figure 26. Global L-serine Sales Market Share by Application (2015-2020)
- Figure 27. Global L-serine Sales Market Share by Application in 2019
- Figure 28. Global L-serine Revenue Market Share by Application (2015-2020)
- Figure 29. Global L-serine Revenue Market Share by Application in 2019
- Figure 30. North America L-serine Sales Growth Rate 2015-2020 (K MT)
- Figure 31. North America L-serine Revenue Growth Rate 2015-2020 (US\$ Million)
- Figure 32. North America L-serine Sales Market Share by Country in 2019
- Figure 33. North America L-serine Revenue Market Share by Country in 2019
- Figure 34. U.S. L-serine Sales Growth Rate (2015-2020) (K MT)

- Figure 35. U.S. L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 36. Canada L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 37. Canada L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 38. North America L-serine Market Share by Type in 2019
- Figure 39. North America L-serine Market Share by Application in 2019
- Figure 40. Europe L-serine Sales Growth Rate 2015-2020 (K MT)
- Figure 41. Europe L-serine Revenue Growth Rate 2015-2020 (US\$ Million)
- Figure 42. Europe L-serine Sales Market Share by Country in 2019
- Figure 43. Europe L-serine Revenue Market Share by Country in 2019
- Figure 44. Germany L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 45. Germany L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 46. France L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 47. France L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 48. U.K. L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 49. U.K. L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 50. Italy L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 51. Italy L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 52. Russia L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 53. Russia L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 54. Europe L-serine Market Share by Type in 2019
- Figure 55. Europe L-serine Market Share by Application in 2019
- Figure 56. Asia Pacific L-serine Sales Growth Rate 2015-2020 (K MT)
- Figure 57. Asia Pacific L-serine Revenue Growth Rate 2015-2020 (US\$ Million)
- Figure 58. Asia Pacific L-serine Sales Market Share by Region in 2019
- Figure 59. Asia Pacific L-serine Revenue Market Share by Region in 2019
- Figure 60. China L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 61. China L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 62. Japan L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 63. Japan L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 64. South Korea L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 65. South Korea L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 66. India L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 67. India L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 68. Australia L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 69. Australia L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 70. Taiwan L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 71. Taiwan L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 72. Indonesia L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 73. Indonesia L-serine Revenue Growth Rate (2015-2020) (US\$ Million)

- Figure 74. Thailand L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 75. Thailand L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 76. Malaysia L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 77. Malaysia L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 78. Philippines L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 79. Philippines L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 80. Vietnam L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 81. Vietnam L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 82. Asia Pacific L-serine Market Share by Type in 2019
- Figure 83. Asia Pacific L-serine Market Share by Application in 2019
- Figure 84. Latin America L-serine Sales Growth Rate 2015-2020 (K MT)
- Figure 85. Latin America L-serine Revenue Growth Rate 2015-2020 (US\$ Million)
- Figure 86. Latin America L-serine Sales Market Share by Country in 2019
- Figure 87. Latin America L-serine Revenue Market Share by Country in 2019
- Figure 88. Mexico L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 89. Mexico L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 90. Brazil L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 91. Brazil L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 92. Argentina L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 93. Argentina L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 94. Latin America L-serine Market Share by Type in 2019
- Figure 95. Latin America L-serine Market Share by Application in 2019
- Figure 96. Middle East and Africa L-serine Sales Growth Rate 2015-2020 (K MT)
- Figure 97. Middle East and Africa L-serine Revenue Growth Rate 2015-2020 (US\$ Million)
- Figure 98. Middle East and Africa L-serine Sales Market Share by Country in 2019
- Figure 99. Middle East and Africa L-serine Revenue Market Share by Country in 2019
- Figure 100. Turkey L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 101. Turkey L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 102. Saudi Arabia L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 103. Saudi Arabia L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 104. UAE L-serine Sales Growth Rate (2015-2020) (K MT)
- Figure 105. UAE L-serine Revenue Growth Rate (2015-2020) (US\$ Million)
- Figure 106. Middle East and Africa L-serine Market Share by Type in 2019
- Figure 107. Middle East and Africa L-serine Market Share by Application in 2019
- Figure 108. Ajinomoto Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 109. Evonik Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 110. Kyowa Hakko Bio Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 111. Mitsui Chemicals Total Revenue (US\$ Million): 2019 Compared with 2018

- Figure 112. Amino Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 113. Bafeng Pharmaceutical & Chemical Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 114. Jinghai Amino Acid Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 115. Tianan Pharmaceuticals Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 116. Jiahe Biotech Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 117. Huayang Chemical Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 118. Puyer BioPharm Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 119. North America L-serine Sales Growth Rate Forecast (2021-2026) (K MT)
- Figure 120. North America L-serine Revenue Growth Rate Forecast (2021-2026) (US\$ Million)
- Figure 121. Europe L-serine Sales Growth Rate Forecast (2021-2026) (K MT)
- Figure 122. Europe L-serine Revenue Growth Rate Forecast (2021-2026) (US\$ Million)
- Figure 123. Asia Pacific L-serine Sales Growth Rate Forecast (2021-2026) (K MT)
- Figure 124. Asia Pacific L-serine Revenue Growth Rate Forecast (2021-2026) (US\$ Million)
- Figure 125. Latin America L-serine Sales Growth Rate Forecast (2021-2026) (K MT)
- Figure 126. Latin America L-serine Revenue Growth Rate Forecast (2021-2026) (US\$ Million)
- Figure 127. Middle East and Africa L-serine Sales Growth Rate Forecast (2021-2026) (K MT)
- Figure 128. Middle East and Africa L-serine Revenue Growth Rate Forecast (2021-2026) (US\$ Million)
- Figure 129. Porter's Five Forces Analysis
- Figure 130. Channels of Distribution
- Figure 131. Distributors Profiles
- Figure 132. Bottom-up and Top-down Approaches for This Report
- Figure 133. Data Triangulation
- Figure 134. Key Executives Interviewed

I would like to order

Product name: Global L-serine Market Insights, Forecast to 2026

Product link: <https://marketpublishers.com/r/G7CB0DF24120EN.html>

Price: US\$ 3,900.00 (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/G7CB0DF24120EN.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