+357 96 030922
info@marketpublishers.com

Global Bio-based L-Valine Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GAED0959FB9BEN.html
Date: September 2026
Pages: 80
Price: US$ 4,480.00 (Single User License)
ID: GAED0959FB9BEN

Abstracts

The global Bio-based L-Valine market size is expected to reach $ 117 million by 2032, rising at a market growth of 10.1% CAGR during the forecast period (2026-2032).

In 2025, global production of bio-based L-valine was approximately 14,000 metric tons, with an average global market price of around $4,200 per metric ton. That year, total global production capacity for bio-based L-valine reached 22,000 metric tons, and the industry's average gross profit margin stood at 28%. Bio-based L-valine refers to L-valine products manufactured from renewable biomass resources using green production processes such as microbial fermentation and biotransformation. L-valine is an essential branched-chain amino acid (BCAA) for humans and a crucial component of protein synthesis; since the human body cannot synthesize it internally, it must be obtained through food, nutritional supplements, or pharmaceutical products. Compared to traditional chemical synthesis routes, bio-based L-valine is produced via the fermentation of engineered strains using renewable carbon sources—such as glucose, corn starch, and sugarcane molasses—offering advantages such as sustainable raw material sourcing, a lower environmental footprint, high product purity, and excellent chiral selectivity.

The upstream segment of the bio-based L-valine industry chain primarily encompasses the supply of renewable carbon sources, the R&D of fermentation strains, and the provision of auxiliary materials for biomanufacturing. Key raw materials include corn starch, sugarcane, cassava, and wheat starch; these are converted into glucose through saccharification to serve as the carbon source for microbial fermentation. Current industrial production predominantly utilizes engineered strains such as *Corynebacterium glutamicum*, employing metabolic engineering to enhance the valine synthesis pathway and improve yield and conversion efficiency. Core upstream

+357 96 030922
info@marketpublishers.com

technologies focus on high-yield strain screening, genetic engineering optimization, fermentation process control, and the improvement of raw material utilization efficiency. Additionally, factors such as nitrogen sources, inorganic salts, culture medium components, and fermentation equipment significantly influence production costs. The midstream segment primarily involves biological fermentation, separation and extraction, purification and crystallization, drying and packaging, and quality testing. During production, microorganisms synthesize L-valine from carbohydrate-based raw materials, and high-purity products are obtained through processes including fermentation broth filtration, centrifugation, membrane separation, ion exchange, concentration/crystallization, and drying. Depending on downstream demand, midstream products are typically categorized into various specifications, such as feed-grade, food-grade, pharmaceutical-grade, and research-grade. Among these, feed-grade L-valine emphasizes cost control and large-scale supply, whereas food-grade and pharmaceutical-grade products are subject to stricter requirements regarding purity, microbiological standards, impurity control, and production certifications. Current industry competition focuses on increasing fermentation yields, reducing energy consumption, enhancing production automation, and developing product systems characterized by high purity and stability. Downstream applications for bio-based L-valine are primarily concentrated in the sectors of animal nutrition, food nutrition, sports and health, and pharmaceuticals. The feed industry represents one of the largest markets; as a limiting amino acid, L-valine is widely used in swine, poultry, and aquaculture to balance amino acid profiles in feed, improve protein utilization efficiency, and reduce feed costs. Demand for functional amino acids like L-valine continues to rise alongside the large-scale expansion of the global livestock industry and the adoption of low-protein diet technologies. In human nutrition, L-valine—a key branched-chain amino acid—is extensively used in sports nutrition supplements, functional foods, and nutritional formulations. In the pharmaceutical and biotechnology sectors, L-valine is utilized in amino acid infusions, cell culture media, biopharmaceutical manufacturing processes, and related scientific research applications.

As a key branched-chain amino acid (BCAA), bio-based L-valine plays a vital role in animal protein synthesis and nutritional metabolism. In the feed industry, it is primarily used to optimize low-protein diet formulations, enhance feed utilization efficiency, and reduce farming costs. Driven by rising global meat consumption, the intensification of livestock farming, and stricter environmental regulations regarding nitrogen emissions, there is growing interest in precision feed formulation and amino acid balancing technologies, fueling a steady increase in demand for functional amino acids like L-valine. Compared to traditional high-protein feed models, the addition of crystalline amino acids reduces the reliance on protein-rich raw materials and boosts farming

+357 96 030922
info@marketpublishers.com

efficiency; this approach represents a key trend in the modern feed industry and ensures stable, foundational demand for bio-based L-valine.

Beyond animal feed, L-valine holds significant value in human nutrition. As an essential amino acid for the human body, it is widely used in sports nutrition supplements, functional foods, and nutritional formulations. The market for BCAAs continues to expand—driven by a shift toward health-conscious consumption, a growing fitness-oriented population, and rising demand for specialized nutrition—leading to an increased need for high-purity, food-grade L-valine. Furthermore, in the pharmaceutical and life sciences sectors, L-valine is utilized in amino acid preparations, cell culture media, biopharmaceutical manufacturing processes, and scientific research reagents. Looking ahead, the advancement of the biopharmaceutical industry and cell culture technologies positions high-purity and pharmaceutical-grade L-valine as key drivers of value creation within the sector.

Currently, bio-based L-valine is primarily produced via microbial fermentation, with core competitiveness centered on high-yield strain development, metabolic engineering optimization, fermentation process control, and separation and purification technologies. Future industry efforts will focus on engineering genetically modified strains to improve glucose conversion efficiency and unit yields, while simultaneously reducing production costs through continuous fermentation, intelligent control systems, and energy-efficient processes. Additionally, the use of non-food biomass, agricultural waste, and low-carbon sugar sources as alternatives to traditional raw materials is emerging as a crucial trend in green manufacturing, helping to lower carbon emissions and enhance the sustainability of the industry value chain. Companies possessing independent strain R&D capabilities and large-scale fermentation capacity will secure a distinct competitive advantage in the future market.

Report Scope

This report studies the global Bio-based L-Valine production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Bio-based L-Valine and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Bio-based L-Valine that contribute to its increasing demand across many markets.

+357 96 030922
info@marketpublishers.com

Highlights and key features of the study

Global Bio-based L-Valine total production and demand, 2021-2032, (Tons)

Global Bio-based L-Valine total production value, 2021-2032, (USD Million)

Global Bio-based L-Valine production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Bio-based L-Valine consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Bio-based L-Valine domestic production, consumption, key domestic manufacturers and share

Global Bio-based L-Valine production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Bio-based L-Valine production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Bio-based L-Valine production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Bio-based L-Valine market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CJ Group, Anhui Huaheng Biotechnology Co.,Ltd., Evonik Industries, Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Bio-based L-Valine market

+357 96 030922
info@marketpublishers.com

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Tons) and average price (US$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Bio-based L-Valine Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Market Segmentation

Global Bio-based L-Valine Market, Segmentation by Type:

Purity: 96%-98%

Purity: >98%

+357 96 030922
info@marketpublishers.com

Global Bio-based L-Valine Market, Segmentation by Raw Material Source:

Food Crop-based

Non-food Biomass-based

Waste-derived

Global Bio-based L-Valine Market, Segmentation by Purity Grade:

Feed Grade

Food Grade

Pharmaceutical Grade

Global Bio-based L-Valine Market, Segmentation by Production Route:

Microbial Fermentation Method

Enzyme-catalyzed Method

Metabolic Engineering Modification Route

Global Bio-based L-Valine Market, Segmentation by Application:

Feed

Health Supplements

Pharmaceutical

Others

+357 96 030922
info@marketpublishers.com

Companies Profiled:

CJ Group

Anhui Huaheng Biotechnology Co.,Ltd.

Evonik Industries

Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd.

Key Questions Answered

1. How big is the global Bio-based L-Valine market?
2. What is the demand of the global Bio-based L-Valine market?
3. What is the year over year growth of the global Bio-based L-Valine market?
4. What is the total value of the global Bio-based L-Valine market?
5. Who are the Major Players in the global Bio-based L-Valine market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

1 SUPPLY SUMMARY

1.1 Bio-based L-Valine Introduction
1.2 World Bio-based L-Valine Supply & Forecast
  1.2.1 World Bio-based L-Valine Production Value (2021 & 2025 & 2032)
  1.2.2 World Bio-based L-Valine Production (2021-2032)
  1.2.3 World Bio-based L-Valine Pricing Trends (2021-2032)
1.3 World Bio-based L-Valine Production by Region (Based on Production Site)
  1.3.1 World Bio-based L-Valine Production Value by Region (2021-2032)
  1.3.2 World Bio-based L-Valine Production by Region (2021-2032)
  1.3.3 World Bio-based L-Valine Average Price by Region (2021-2032)
  1.3.4 North America Bio-based L-Valine Production (2021-2032)
  1.3.5 Europe Bio-based L-Valine Production (2021-2032)
  1.3.6 China Bio-based L-Valine Production (2021-2032)
  1.3.7 Japan Bio-based L-Valine Production (2021-2032)
1.4 Market Drivers, Restraints and Trends
  1.4.1 Bio-based L-Valine Market Drivers
  1.4.2 Factors Affecting Demand
  1.4.3 Bio-based L-Valine Major Market Trends

2 DEMAND SUMMARY

2.1 World Bio-based L-Valine Demand (2021-2032)
2.2 World Bio-based L-Valine Consumption by Region
  2.2.1 World Bio-based L-Valine Consumption by Region (2021-2026)
  2.2.2 World Bio-based L-Valine Consumption Forecast by Region (2027-2032)
2.3 United States Bio-based L-Valine Consumption (2021-2032)
2.4 China Bio-based L-Valine Consumption (2021-2032)
2.5 Europe Bio-based L-Valine Consumption (2021-2032)
2.6 Japan Bio-based L-Valine Consumption (2021-2032)
2.7 South Korea Bio-based L-Valine Consumption (2021-2032)
2.8 ASEAN Bio-based L-Valine Consumption (2021-2032)
2.9 India Bio-based L-Valine Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Bio-based L-Valine Production Value by Manufacturer (2021-2026)

+357 96 030922
info@marketpublishers.com

3.2 World Bio-based L-Valine Production by Manufacturer (2021-2026)
3.3 World Bio-based L-Valine Average Price by Manufacturer (2021-2026)
3.4 Bio-based L-Valine Company Evaluation Quadrant
3.5 Industry Rank and Concentration Rate (CR)
  3.5.1 Global Bio-based L-Valine Industry Rank of Major Manufacturers
  3.5.2 Global Concentration Ratios (CR4) for Bio-based L-Valine in 2025
  3.5.3 Global Concentration Ratios (CR8) for Bio-based L-Valine in 2025
3.6 Bio-based L-Valine Market: Overall Company Footprint Analysis
  3.6.1 Bio-based L-Valine Market: Region Footprint
  3.6.2 Bio-based L-Valine Market: Company Product Type Footprint
  3.6.3 Bio-based L-Valine Market: Company Product Application Footprint
3.7 Competitive Environment
  3.7.1 Historical Structure of the Industry
  3.7.2 Barriers of Market Entry
  3.7.3 Factors of Competition
3.8 New Entrant and Capacity Expansion Plans
3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Bio-based L-Valine Production Value Comparison
  4.1.1 United States VS China: Bio-based L-Valine Production Value Comparison (2021 & 2025 & 2032)
  4.1.2 United States VS China: Bio-based L-Valine Production Value Market Share Comparison (2021 & 2025 & 2032)
4.2 United States VS China: Bio-based L-Valine Production Comparison
  4.2.1 United States VS China: Bio-based L-Valine Production Comparison (2021 & 2025 & 2032)
  4.2.2 United States VS China: Bio-based L-Valine Production Market Share Comparison (2021 & 2025 & 2032)
4.3 United States VS China: Bio-based L-Valine Consumption Comparison
  4.3.1 United States VS China: Bio-based L-Valine Consumption Comparison (2021 & 2025 & 2032)
  4.3.2 United States VS China: Bio-based L-Valine Consumption Market Share Comparison (2021 & 2025 & 2032)
4.4 United States Based Bio-based L-Valine Manufacturers and Market Share, 2021-2026
  4.4.1 United States Based Bio-based L-Valine Manufacturers, Headquarters and Production Site (States, Country)

+357 96 030922
info@marketpublishers.com

4.4.2 United States Based Manufacturers Bio-based L-Valine Production Value (2021-2026)
4.4.3 United States Based Manufacturers Bio-based L-Valine Production (2021-2026)
4.5 China Based Bio-based L-Valine Manufacturers and Market Share
4.5.1 China Based Bio-based L-Valine Manufacturers, Headquarters and Production Site (Province, Country)
4.5.2 China Based Manufacturers Bio-based L-Valine Production Value (2021-2026)
4.5.3 China Based Manufacturers Bio-based L-Valine Production (2021-2026)
4.6 Rest of World Based Bio-based L-Valine Manufacturers and Market Share, 2021-2026
4.6.1 Rest of World Based Bio-based L-Valine Manufacturers, Headquarters and Production Site (State, Country)
4.6.2 Rest of World Based Manufacturers Bio-based L-Valine Production Value (2021-2026)
4.6.3 Rest of World Based Manufacturers Bio-based L-Valine Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Bio-based L-Valine Market Size Overview by Type: 2021 VS 2025 VS 2032
5.2 Segment Introduction by Type
5.2.1 Purity: 96%-98%
5.2.2 Purity: >98%
5.3 Market Segment by Type
5.3.1 World Bio-based L-Valine Production by Type (2021-2032)
5.3.2 World Bio-based L-Valine Production Value by Type (2021-2032)
5.3.3 World Bio-based L-Valine Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY RAW MATERIAL SOURCE

6.1 World Bio-based L-Valine Market Size Overview by Raw Material Source: 2021 VS 2025 VS 2032
6.2 Segment Introduction by Raw Material Source
6.2.1 Food Crop-based
6.2.2 Non-food Biomass-based
6.2.3 Waste-derived
6.3 Market Segment by Raw Material Source
6.3.1 World Bio-based L-Valine Production by Raw Material Source (2021-2032)
6.3.2 World Bio-based L-Valine Production Value by Raw Material Source (2021-2032)
6.3.3 World Bio-based L-Valine Average Price by Raw Material Source (2021-2032)

+357 96 030922
info@marketpublishers.com

7 MARKET ANALYSIS BY PURITY GRADE

7.1 World Bio-based L-Valine Market Size Overview by Purity Grade: 2021 VS 2025 VS 2032
7.2 Segment Introduction by Purity Grade
  7.2.1 Feed Grade
  7.2.2 Food Grade
  7.2.3 Pharmaceutical Grade
7.3 Market Segment by Purity Grade
  7.3.1 World Bio-based L-Valine Production by Purity Grade (2021-2032)
  7.3.2 World Bio-based L-Valine Production Value by Purity Grade (2021-2032)
  7.3.3 World Bio-based L-Valine Average Price by Purity Grade (2021-2032)

8 MARKET ANALYSIS BY PRODUCTION ROUTE

8.1 World Bio-based L-Valine Market Size Overview by Production Route: 2021 VS 2025 VS 2032
8.2 Segment Introduction by Production Route
  8.2.1 Microbial Fermentation Method
  8.2.2 Enzyme-catalyzed Method
  8.2.3 Metabolic Engineering Modification Route
8.3 Market Segment by Production Route
  8.3.1 World Bio-based L-Valine Production by Production Route (2021-2032)
  8.3.2 World Bio-based L-Valine Production Value by Production Route (2021-2032)
  8.3.3 World Bio-based L-Valine Average Price by Production Route (2021-2032)

9 MARKET ANALYSIS BY APPLICATION

9.1 World Bio-based L-Valine Market Size Overview by Application: 2021 VS 2025 VS 2032
9.2 Segment Introduction by Application
  9.2.1 Feed
  9.2.2 Health Supplements
  9.2.3 Pharmaceutical
  9.2.4 Others
9.3 Market Segment by Application
  9.3.1 World Bio-based L-Valine Production by Application (2021-2032)
  9.3.2 World Bio-based L-Valine Production Value by Application (2021-2032)

+357 96 030922
info@marketpublishers.com

9.3.3 World Bio-based L-Valine Average Price by Application (2021-2032)

10 COMPANY PROFILES

10.1 CJ Group
10.1.1 CJ Group Details
10.1.2 CJ Group Major Business
10.1.3 CJ Group Bio-based L-Valine Product and Services
10.1.4 CJ Group Bio-based L-Valine Production, Price, Value, Gross Margin and Market Share (2021-2026)
10.1.5 CJ Group Recent Developments/Updates
10.1.6 CJ Group Competitive Strengths & Weaknesses
10.2 Anhui Huaheng Biotechnology Co.,Ltd.
10.2.1 Anhui Huaheng Biotechnology Co.,Ltd. Details
10.2.2 Anhui Huaheng Biotechnology Co.,Ltd. Major Business
10.2.3 Anhui Huaheng Biotechnology Co.,Ltd. Bio-based L-Valine Product and Services
10.2.4 Anhui Huaheng Biotechnology Co.,Ltd. Bio-based L-Valine Production, Price, Value, Gross Margin and Market Share (2021-2026)
10.2.5 Anhui Huaheng Biotechnology Co.,Ltd. Recent Developments/Updates
10.2.6 Anhui Huaheng Biotechnology Co.,Ltd. Competitive Strengths & Weaknesses
10.3 Evonik Industries
10.3.1 Evonik Industries Details
10.3.2 Evonik Industries Major Business
10.3.3 Evonik Industries Bio-based L-Valine Product and Services
10.3.4 Evonik Industries Bio-based L-Valine Production, Price, Value, Gross Margin and Market Share (2021-2026)
10.3.5 Evonik Industries Recent Developments/Updates
10.3.6 Evonik Industries Competitive Strengths & Weaknesses
10.4 Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd.
10.4.1 Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Details
10.4.2 Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Major Business
10.4.3 Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Bio-based L-Valine Product and Services
10.4.4 Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Bio-based L-Valine Production, Price, Value, Gross Margin and Market Share (2021-2026)
10.4.5 Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Recent Developments/Updates
10.4.6 Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Competitive Strengths

+357 96 030922
info@marketpublishers.com

& Weaknesses

11 INDUSTRY CHAIN ANALYSIS

11.1 Bio-based L-Valine Industry Chain
11.2 Bio-based L-Valine Upstream Analysis
  11.2.1 Bio-based L-Valine Core Raw Materials
  11.2.2 Main Manufacturers of Bio-based L-Valine Core Raw Materials
11.3 Midstream Analysis
11.4 Downstream Analysis
11.5 Bio-based L-Valine Production Mode
11.6 Bio-based L-Valine Procurement Model
11.7 Bio-based L-Valine Industry Sales Model and Sales Channels
  11.7.1 Bio-based L-Valine Sales Model
  11.7.2 Bio-based L-Valine Typical Distributors

12 RESEARCH FINDINGS AND CONCLUSION

13 APPENDIX

13.1 Methodology
13.2 Research Process and Data Source
13.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. World Bio-based L-Valine Production Value by Region (2021, 2025 and 2032) & (USD Million)
Table 2. World Bio-based L-Valine Production Value by Region (2021-2026) & (USD Million)
Table 3. World Bio-based L-Valine Production Value by Region (2027-2032) & (USD Million)
Table 4. World Bio-based L-Valine Production Value Market Share by Region (2021-2026)
Table 5. World Bio-based L-Valine Production Value Market Share by Region (2027-2032)
Table 6. World Bio-based L-Valine Production by Region (2021-2026) & (Tons)
Table 7. World Bio-based L-Valine Production by Region (2027-2032) & (Tons)
Table 8. World Bio-based L-Valine Production Market Share by Region (2021-2026)
Table 9. World Bio-based L-Valine Production Market Share by Region (2027-2032)
Table 10. World Bio-based L-Valine Average Price by Region (2021-2026) & (US$/Ton)
Table 11. World Bio-based L-Valine Average Price by Region (2027-2032) & (US$/Ton)
Table 12. Bio-based L-Valine Major Market Trends
Table 13. World Bio-based L-Valine Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)
Table 14. World Bio-based L-Valine Consumption by Region (2021-2026) & (Tons)
Table 15. World Bio-based L-Valine Consumption Forecast by Region (2027-2032) & (Tons)
Table 16. World Bio-based L-Valine Production Value by Manufacturer (2021-2026) & (USD Million)
Table 17. Production Value Market Share of Key Bio-based L-Valine Producers in 2025
Table 18. World Bio-based L-Valine Production by Manufacturer (2021-2026) & (Tons)
Table 19. Production Market Share of Key Bio-based L-Valine Producers in 2025
Table 20. World Bio-based L-Valine Average Price by Manufacturer (2021-2026) & (US$/Ton)
Table 21. Global Bio-based L-Valine Company Evaluation Quadrant
Table 22. World Bio-based L-Valine Industry Rank of Major Manufacturers, Based on Production Value in 2025
Table 23. Head Office and Bio-based L-Valine Production Site of Key Manufacturer
Table 24. Bio-based L-Valine Market: Company Product Type Footprint
Table 25. Bio-based L-Valine Market: Company Product Application Footprint

+357 96 030922
info@marketpublishers.com

Table 26. Bio-based L-Valine Competitive Factors
Table 27. Bio-based L-Valine New Entrant and Capacity Expansion Plans
Table 28. Bio-based L-Valine Mergers & Acquisitions Activity
Table 29. United States VS China Bio-based L-Valine Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
Table 30. United States VS China Bio-based L-Valine Production Comparison, (2021 & 2025 & 2032) & (Tons)
Table 31. United States VS China Bio-based L-Valine Consumption Comparison, (2021 & 2025 & 2032) & (Tons)
Table 32. United States Based Bio-based L-Valine Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers Bio-based L-Valine Production Value, (2021-2026) & (USD Million)
Table 34. United States Based Manufacturers Bio-based L-Valine Production Value Market Share (2021-2026)
Table 35. United States Based Manufacturers Bio-based L-Valine Production (2021-2026) & (Tons)
Table 36. United States Based Manufacturers Bio-based L-Valine Production Market Share (2021-2026)
Table 37. China Based Bio-based L-Valine Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers Bio-based L-Valine Production Value, (2021-2026) & (USD Million)
Table 39. China Based Manufacturers Bio-based L-Valine Production Value Market Share (2021-2026)
Table 40. China Based Manufacturers Bio-based L-Valine Production, (2021-2026) & (Tons)
Table 41. China Based Manufacturers Bio-based L-Valine Production Market Share (2021-2026)
Table 42. Rest of World Based Bio-based L-Valine Manufacturers, Headquarters and Production Site (State, Country)
Table 43. Rest of World Based Manufacturers Bio-based L-Valine Production Value, (2021-2026) & (USD Million)
Table 44. Rest of World Based Manufacturers Bio-based L-Valine Production Value Market Share (2021-2026)
Table 45. Rest of World Based Manufacturers Bio-based L-Valine Production, (2021-2026) & (Tons)
Table 46. Rest of World Based Manufacturers Bio-based L-Valine Production Market Share (2021-2026)

+357 96 030922
info@marketpublishers.com

Table 47. World Bio-based L-Valine Production Value by Type, (USD Million), 2021 & 2025 & 2032
Table 48. World Bio-based L-Valine Production by Type (2021-2026) & (Tons)
Table 49. World Bio-based L-Valine Production by Type (2027-2032) & (Tons)
Table 50. World Bio-based L-Valine Production Value by Type (2021-2026) & (USD Million)
Table 51. World Bio-based L-Valine Production Value by Type (2027-2032) & (USD Million)
Table 52. World Bio-based L-Valine Average Price by Type (2021-2026) & (US$/Ton)
Table 53. World Bio-based L-Valine Average Price by Type (2027-2032) & (US$/Ton)
Table 54. World Bio-based L-Valine Production Value by Raw Material Source, (USD Million), 2021 & 2025 & 2032
Table 55. World Bio-based L-Valine Production by Raw Material Source (2021-2026) & (Tons)
Table 56. World Bio-based L-Valine Production by Raw Material Source (2027-2032) & (Tons)
Table 57. World Bio-based L-Valine Production Value by Raw Material Source (2021-2026) & (USD Million)
Table 58. World Bio-based L-Valine Production Value by Raw Material Source (2027-2032) & (USD Million)
Table 59. World Bio-based L-Valine Average Price by Raw Material Source (2021-2026) & (US$/Ton)
Table 60. World Bio-based L-Valine Average Price by Raw Material Source (2027-2032) & (US$/Ton)
Table 61. World Bio-based L-Valine Production Value by Purity Grade, (USD Million), 2021 & 2025 & 2032
Table 62. World Bio-based L-Valine Production by Purity Grade (2021-2026) & (Tons)
Table 63. World Bio-based L-Valine Production by Purity Grade (2027-2032) & (Tons)
Table 64. World Bio-based L-Valine Production Value by Purity Grade (2021-2026) & (USD Million)
Table 65. World Bio-based L-Valine Production Value by Purity Grade (2027-2032) & (USD Million)
Table 66. World Bio-based L-Valine Average Price by Purity Grade (2021-2026) & (US$/Ton)
Table 67. World Bio-based L-Valine Average Price by Purity Grade (2027-2032) & (US$/Ton)
Table 68. World Bio-based L-Valine Production Value by Production Route, (USD Million), 2021 & 2025 & 2032
Table 69. World Bio-based L-Valine Production by Production Route (2021-2026) &

+357 96 030922
info@marketpublishers.com

(Tons)
Table 70. World Bio-based L-Valine Production by Production Route (2027-2032) & (Tons)
Table 71. World Bio-based L-Valine Production Value by Production Route (2021-2026) & (USD Million)
Table 72. World Bio-based L-Valine Production Value by Production Route (2027-2032) & (USD Million)
Table 73. World Bio-based L-Valine Average Price by Production Route (2021-2026) & (US$/Ton)
Table 74. World Bio-based L-Valine Average Price by Production Route (2027-2032) & (US$/Ton)
Table 75. World Bio-based L-Valine Production Value by Application, (USD Million), 2021 & 2025 & 2032
Table 76. World Bio-based L-Valine Production by Application (2021-2026) & (Tons)
Table 77. World Bio-based L-Valine Production by Application (2027-2032) & (Tons)
Table 78. World Bio-based L-Valine Production Value by Application (2021-2026) & (USD Million)
Table 79. World Bio-based L-Valine Production Value by Application (2027-2032) & (USD Million)
Table 80. World Bio-based L-Valine Average Price by Application (2021-2026) & (US$/Ton)
Table 81. World Bio-based L-Valine Average Price by Application (2027-2032) & (US$/Ton)
Table 82. CJ Group Basic Information, Manufacturing Base and Competitors
Table 83. CJ Group Major Business
Table 84. CJ Group Bio-based L-Valine Product and Services
Table 85. CJ Group Bio-based L-Valine Production (Tons), Price (US$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 86. CJ Group Recent Developments/Updates
Table 87. CJ Group Competitive Strengths & Weaknesses
Table 88. Anhui Huaheng Biotechnology Co.,Ltd. Basic Information, Manufacturing Base and Competitors
Table 89. Anhui Huaheng Biotechnology Co.,Ltd. Major Business
Table 90. Anhui Huaheng Biotechnology Co.,Ltd. Bio-based L-Valine Product and Services
Table 91. Anhui Huaheng Biotechnology Co.,Ltd. Bio-based L-Valine Production (Tons), Price (US$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 92. Anhui Huaheng Biotechnology Co.,Ltd. Recent Developments/Updates

+357 96 030922
info@marketpublishers.com

Table 93. Anhui Huaheng Biotechnology Co.,Ltd. Competitive Strengths & Weaknesses
Table 94. Evonik Industries Basic Information, Manufacturing Base and Competitors
Table 95. Evonik Industries Major Business
Table 96. Evonik Industries Bio-based L-Valine Product and Services
Table 97. Evonik Industries Bio-based L-Valine Production (Tons), Price (US$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 98. Evonik Industries Recent Developments/Updates
Table 99. Evonik Industries Competitive Strengths & Weaknesses
Table 100. Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 101. Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Major Business
Table 102. Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Bio-based L-Valine Product and Services
Table 103. Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Bio-based L-Valine Production (Tons), Price (US$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 104. Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Recent Developments/Updates
Table 105. Jinyao Ruida (Xuchang) BIOLOGY Technology Co., Ltd. Competitive Strengths & Weaknesses
Table 106. Global Key Players of Bio-based L-Valine Upstream (Raw Materials)
Table 107. Global Bio-based L-Valine Typical Customers
Table 108. Bio-based L-Valine Typical Distributors

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Bio-based L-Valine Picture
Figure 2. World Bio-based L-Valine Production Value: 2021 & 2025 & 2032, (USD Million)
Figure 3. World Bio-based L-Valine Production Value and Forecast (2021-2032) & (USD Million)
Figure 4. World Bio-based L-Valine Production (2021-2032) & (Tons)
Figure 5. World Bio-based L-Valine Average Price (2021-2032) & (US$/Ton)
Figure 6. World Bio-based L-Valine Production Value Market Share by Region (2021-2032)
Figure 7. World Bio-based L-Valine Production Market Share by Region (2021-2032)
Figure 8. North America Bio-based L-Valine Production (2021-2032) & (Tons)
Figure 9. Europe Bio-based L-Valine Production (2021-2032) & (Tons)
Figure 10. China Bio-based L-Valine Production (2021-2032) & (Tons)
Figure 11. Japan Bio-based L-Valine Production (2021-2032) & (Tons)
Figure 12. Bio-based L-Valine Market Drivers
Figure 13. Factors Affecting Demand
Figure 14. World Bio-based L-Valine Consumption (2021-2032) & (Tons)
Figure 15. World Bio-based L-Valine Consumption Market Share by Region (2021-2032)
Figure 16. United States Bio-based L-Valine Consumption (2021-2032) & (Tons)
Figure 17. China Bio-based L-Valine Consumption (2021-2032) & (Tons)
Figure 18. Europe Bio-based L-Valine Consumption (2021-2032) & (Tons)
Figure 19. Japan Bio-based L-Valine Consumption (2021-2032) & (Tons)
Figure 20. South Korea Bio-based L-Valine Consumption (2021-2032) & (Tons)
Figure 21. ASEAN Bio-based L-Valine Consumption (2021-2032) & (Tons)
Figure 22. India Bio-based L-Valine Consumption (2021-2032) & (Tons)
Figure 23. Producer Shipments of Bio-based L-Valine by Manufacturer Revenue ($MM) and Market Share (%): 2025
Figure 24. Global Four-firm Concentration Ratios (CR4) for Bio-based L-Valine Markets in 2025
Figure 25. Global Four-firm Concentration Ratios (CR8) for Bio-based L-Valine Markets in 2025
Figure 26. United States VS China: Bio-based L-Valine Production Value Market Share Comparison (2021 & 2025 & 2032)
Figure 27. United States VS China: Bio-based L-Valine Production Market Share

+357 96 030922
info@marketpublishers.com

Comparison (2021 & 2025 & 2032)
Figure 28. United States VS China: Bio-based L-Valine Consumption Market Share Comparison (2021 & 2025 & 2032)
Figure 29. United States Based Manufacturers Bio-based L-Valine Production Market Share 2025
Figure 30. China Based Manufacturers Bio-based L-Valine Production Market Share 2025
Figure 31. Rest of World Based Manufacturers Bio-based L-Valine Production Market Share 2025
Figure 32. World Bio-based L-Valine Production Value by Type, (USD Million), 2021 & 2025 & 2032
Figure 33. World Bio-based L-Valine Production Value Market Share by Type in 2025
Figure 34. Purity: 96%-98%
Figure 35. Purity: >98%
Figure 36. World Bio-based L-Valine Production Market Share by Type (2021-2032)
Figure 37. World Bio-based L-Valine Production Value Market Share by Type (2021-2032)
Figure 38. World Bio-based L-Valine Average Price by Type (2021-2032) & (US$/Ton)
Figure 39. World Bio-based L-Valine Production Value by Raw Material Source, (USD Million), 2021 & 2025 & 2032
Figure 40. World Bio-based L-Valine Production Value Market Share by Raw Material Source in 2025
Figure 41. Food Crop-based
Figure 42. Non-food Biomass-based
Figure 43. Waste-derived
Figure 44. World Bio-based L-Valine Production Market Share by Raw Material Source (2021-2032)
Figure 45. World Bio-based L-Valine Production Value Market Share by Raw Material Source (2021-2032)
Figure 46. World Bio-based L-Valine Average Price by Raw Material Source (2021-2032) & (US$/Ton)
Figure 47. World Bio-based L-Valine Production Value by Purity Grade, (USD Million), 2021 & 2025 & 2032
Figure 48. World Bio-based L-Valine Production Value Market Share by Purity Grade in 2025
Figure 49. Feed Grade
Figure 50. Food Grade
Figure 51. Pharmaceutical Grade
Figure 52. World Bio-based L-Valine Production Market Share by Purity Grade

+357 96 030922
info@marketpublishers.com

(2021-2032)
Figure 53. World Bio-based L-Valine Production Value Market Share by Purity Grade (2021-2032)
Figure 54. World Bio-based L-Valine Average Price by Purity Grade (2021-2032) & (US$/Ton)
Figure 55. World Bio-based L-Valine Production Value by Production Route, (USD Million), 2021 & 2025 & 2032
Figure 56. World Bio-based L-Valine Production Value Market Share by Production Route in 2025
Figure 57. Microbial Fermentation Method
Figure 58. Enzyme-catalyzed Method
Figure 59. Metabolic Engineering Modification Route
Figure 60. World Bio-based L-Valine Production Market Share by Production Route (2021-2032)
Figure 61. World Bio-based L-Valine Production Value Market Share by Production Route (2021-2032)
Figure 62. World Bio-based L-Valine Average Price by Production Route (2021-2032) & (US$/Ton)
Figure 63. World Bio-based L-Valine Production Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 64. World Bio-based L-Valine Production Value Market Share by Application in 2025
Figure 65. Feed
Figure 66. Health Supplements
Figure 67. Pharmaceutical
Figure 68. Others
Figure 69. World Bio-based L-Valine Production Market Share by Application (2021-2032)
Figure 70. World Bio-based L-Valine Production Value Market Share by Application (2021-2032)
Figure 71. World Bio-based L-Valine Average Price by Application (2021-2032) & (US$/Ton)
Figure 72. Bio-based L-Valine Industry Chain
Figure 73. Bio-based L-Valine Procurement Model
Figure 74. Bio-based L-Valine Sales Model
Figure 75. Bio-based L-Valine Sales Channels, Direct Sales, and Distribution
Figure 76. Methodology
Figure 77. Research Process and Data Source

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Bio-based L-Valine Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/GAED0959FB9BEN.html

Price: US$ 4,480.00 (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/GAED0959FB9BEN.html