

Food Grade DL-Malic Acid Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/F926A8C9101DEN.html>

Date: June 2022

Pages: 74

Price: US\$ 3,250.00 (Single User License)

ID: F926A8C9101DEN

Abstracts

This report contains market size and forecasts of Food Grade DL-Malic Acid in global, including the following market information:

Global Food Grade DL-Malic Acid Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Food Grade DL-Malic Acid Market Sales, 2017-2022, 2023-2028, (Tons)

Global top five Food Grade DL-Malic Acid companies in 2021 (%)

The global Food Grade DL-Malic Acid market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

DL-malic Acid Solution Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Food Grade DL-Malic Acid include Fuso Chemical, Bartek, Isegen, Polynt, Thirumalai Chemicals, Yongsan Chemicals, MC Food Specialties, Tate & Lyle and Changmao Biochemical Engineering, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Food Grade DL-Malic Acid manufacturers, suppliers, distributors and industry experts on this industry,

involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Food Grade DL-Malic Acid Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Food Grade DL-Malic Acid Market Segment Percentages, by Type, 2021 (%)

DL-malic Acid Solution

Granular DL-malic Acid

Global Food Grade DL-Malic Acid Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Food Grade DL-Malic Acid Market Segment Percentages, by Application, 2021 (%)

Beverages

Confectionary

Other

Global Food Grade DL-Malic Acid Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Food Grade DL-Malic Acid Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Food Grade DL-Malic Acid revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Food Grade DL-Malic Acid revenues share in global market, 2021 (%)

Key companies Food Grade DL-Malic Acid sales in global market, 2017-2022 (Estimated), (Tons)

Key companies Food Grade DL-Malic Acid sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Fuso Chemical

Bartek

Isegen

Polynt

Thirumalai Chemicals

Yongsan Chemicals

MC Food Specialties

Tate & Lyle

Changmao Biochemical Engineering

Sealong Biotechnology

Jinhu Lile Biotechnology

Contents

1 INTRODUCTION TO RESEARCH & ANALYSIS REPORTS

- 1.1 Food Grade DL-Malic Acid Market Definition
- 1.2 Market Segments
 - 1.2.1 Market by Type
 - 1.2.2 Market by Application
- 1.3 Global Food Grade DL-Malic Acid Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
 - 1.5.1 Research Methodology
 - 1.5.2 Research Process
 - 1.5.3 Base Year
 - 1.5.4 Report Assumptions & Caveats

2 GLOBAL FOOD GRADE DL-MALIC ACID OVERALL MARKET SIZE

- 2.1 Global Food Grade DL-Malic Acid Market Size: 2021 VS 2028
- 2.2 Global Food Grade DL-Malic Acid Revenue, Prospects & Forecasts: 2017-2028
- 2.3 Global Food Grade DL-Malic Acid Sales: 2017-2028

3 COMPANY LANDSCAPE

- 3.1 Top Food Grade DL-Malic Acid Players in Global Market
- 3.2 Top Global Food Grade DL-Malic Acid Companies Ranked by Revenue
- 3.3 Global Food Grade DL-Malic Acid Revenue by Companies
- 3.4 Global Food Grade DL-Malic Acid Sales by Companies
- 3.5 Global Food Grade DL-Malic Acid Price by Manufacturer (2017-2022)
- 3.6 Top 3 and Top 5 Food Grade DL-Malic Acid Companies in Global Market, by Revenue in 2021
- 3.7 Global Manufacturers Food Grade DL-Malic Acid Product Type
- 3.8 Tier 1, Tier 2 and Tier 3 Food Grade DL-Malic Acid Players in Global Market
 - 3.8.1 List of Global Tier 1 Food Grade DL-Malic Acid Companies
 - 3.8.2 List of Global Tier 2 and Tier 3 Food Grade DL-Malic Acid Companies

4 SIGHTS BY PRODUCT

- 4.1 Overview

- 4.1.1 By Type - Global Food Grade DL-Malic Acid Market Size Markets, 2021 & 2028
- 4.1.2 DL-malic Acid Solution
- 4.1.3 Granular DL-malic Acid
- 4.2 By Type - Global Food Grade DL-Malic Acid Revenue & Forecasts
 - 4.2.1 By Type - Global Food Grade DL-Malic Acid Revenue, 2017-2022
 - 4.2.2 By Type - Global Food Grade DL-Malic Acid Revenue, 2023-2028
 - 4.2.3 By Type - Global Food Grade DL-Malic Acid Revenue Market Share, 2017-2028
- 4.3 By Type - Global Food Grade DL-Malic Acid Sales & Forecasts
 - 4.3.1 By Type - Global Food Grade DL-Malic Acid Sales, 2017-2022
 - 4.3.2 By Type - Global Food Grade DL-Malic Acid Sales, 2023-2028
 - 4.3.3 By Type - Global Food Grade DL-Malic Acid Sales Market Share, 2017-2028
- 4.4 By Type - Global Food Grade DL-Malic Acid Price (Manufacturers Selling Prices), 2017-2028

5 SIGHTS BY APPLICATION

5.1 Overview

- 5.1.1 By Application - Global Food Grade DL-Malic Acid Market Size, 2021 & 2028
- 5.1.2 Beverages
- 5.1.3 Confectionary
- 5.1.4 Other
- 5.2 By Application - Global Food Grade DL-Malic Acid Revenue & Forecasts
 - 5.2.1 By Application - Global Food Grade DL-Malic Acid Revenue, 2017-2022
 - 5.2.2 By Application - Global Food Grade DL-Malic Acid Revenue, 2023-2028
 - 5.2.3 By Application - Global Food Grade DL-Malic Acid Revenue Market Share, 2017-2028
- 5.3 By Application - Global Food Grade DL-Malic Acid Sales & Forecasts
 - 5.3.1 By Application - Global Food Grade DL-Malic Acid Sales, 2017-2022
 - 5.3.2 By Application - Global Food Grade DL-Malic Acid Sales, 2023-2028
 - 5.3.3 By Application - Global Food Grade DL-Malic Acid Sales Market Share, 2017-2028
- 5.4 By Application - Global Food Grade DL-Malic Acid Price (Manufacturers Selling Prices), 2017-2028

6 SIGHTS BY REGION

- 6.1 By Region - Global Food Grade DL-Malic Acid Market Size, 2021 & 2028
- 6.2 By Region - Global Food Grade DL-Malic Acid Revenue & Forecasts
 - 6.2.1 By Region - Global Food Grade DL-Malic Acid Revenue, 2017-2022

- 6.2.2 By Region - Global Food Grade DL-Malic Acid Revenue, 2023-2028
- 6.2.3 By Region - Global Food Grade DL-Malic Acid Revenue Market Share, 2017-2028
- 6.3 By Region - Global Food Grade DL-Malic Acid Sales & Forecasts
 - 6.3.1 By Region - Global Food Grade DL-Malic Acid Sales, 2017-2022
 - 6.3.2 By Region - Global Food Grade DL-Malic Acid Sales, 2023-2028
 - 6.3.3 By Region - Global Food Grade DL-Malic Acid Sales Market Share, 2017-2028
- 6.4 North America
 - 6.4.1 By Country - North America Food Grade DL-Malic Acid Revenue, 2017-2028
 - 6.4.2 By Country - North America Food Grade DL-Malic Acid Sales, 2017-2028
 - 6.4.3 US Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.4.4 Canada Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.4.5 Mexico Food Grade DL-Malic Acid Market Size, 2017-2028
- 6.5 Europe
 - 6.5.1 By Country - Europe Food Grade DL-Malic Acid Revenue, 2017-2028
 - 6.5.2 By Country - Europe Food Grade DL-Malic Acid Sales, 2017-2028
 - 6.5.3 Germany Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.5.4 France Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.5.5 U.K. Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.5.6 Italy Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.5.7 Russia Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.5.8 Nordic Countries Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.5.9 Benelux Food Grade DL-Malic Acid Market Size, 2017-2028
- 6.6 Asia
 - 6.6.1 By Region - Asia Food Grade DL-Malic Acid Revenue, 2017-2028
 - 6.6.2 By Region - Asia Food Grade DL-Malic Acid Sales, 2017-2028
 - 6.6.3 China Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.6.4 Japan Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.6.5 South Korea Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.6.6 Southeast Asia Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.6.7 India Food Grade DL-Malic Acid Market Size, 2017-2028
- 6.7 South America
 - 6.7.1 By Country - South America Food Grade DL-Malic Acid Revenue, 2017-2028
 - 6.7.2 By Country - South America Food Grade DL-Malic Acid Sales, 2017-2028
 - 6.7.3 Brazil Food Grade DL-Malic Acid Market Size, 2017-2028
 - 6.7.4 Argentina Food Grade DL-Malic Acid Market Size, 2017-2028
- 6.8 Middle East & Africa
 - 6.8.1 By Country - Middle East & Africa Food Grade DL-Malic Acid Revenue, 2017-2028

- 6.8.2 By Country - Middle East & Africa Food Grade DL-Malic Acid Sales, 2017-2028
- 6.8.3 Turkey Food Grade DL-Malic Acid Market Size, 2017-2028
- 6.8.4 Israel Food Grade DL-Malic Acid Market Size, 2017-2028
- 6.8.5 Saudi Arabia Food Grade DL-Malic Acid Market Size, 2017-2028
- 6.8.6 UAE Food Grade DL-Malic Acid Market Size, 2017-2028

7 MANUFACTURERS & BRANDS PROFILES

7.1 Fuso Chemical

- 7.1.1 Fuso Chemical Corporate Summary
- 7.1.2 Fuso Chemical Business Overview
- 7.1.3 Fuso Chemical Food Grade DL-Malic Acid Major Product Offerings
- 7.1.4 Fuso Chemical Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
- 7.1.5 Fuso Chemical Key News

7.2 Bartek

- 7.2.1 Bartek Corporate Summary
- 7.2.2 Bartek Business Overview
- 7.2.3 Bartek Food Grade DL-Malic Acid Major Product Offerings
- 7.2.4 Bartek Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
- 7.2.5 Bartek Key News

7.3 Isegen

- 7.3.1 Isegen Corporate Summary
- 7.3.2 Isegen Business Overview
- 7.3.3 Isegen Food Grade DL-Malic Acid Major Product Offerings
- 7.3.4 Isegen Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
- 7.3.5 Isegen Key News

7.4 Polynt

- 7.4.1 Polynt Corporate Summary
- 7.4.2 Polynt Business Overview
- 7.4.3 Polynt Food Grade DL-Malic Acid Major Product Offerings
- 7.4.4 Polynt Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
- 7.4.5 Polynt Key News

7.5 Thirumalai Chemicals

- 7.5.1 Thirumalai Chemicals Corporate Summary
- 7.5.2 Thirumalai Chemicals Business Overview
- 7.5.3 Thirumalai Chemicals Food Grade DL-Malic Acid Major Product Offerings
- 7.5.4 Thirumalai Chemicals Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)

- 7.5.5 Thirumalai Chemicals Key News
- 7.6 Yongsan Chemicals
 - 7.6.1 Yongsan Chemicals Corporate Summary
 - 7.6.2 Yongsan Chemicals Business Overview
 - 7.6.3 Yongsan Chemicals Food Grade DL-Malic Acid Major Product Offerings
 - 7.6.4 Yongsan Chemicals Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
 - 7.6.5 Yongsan Chemicals Key News
- 7.7 MC Food Specialties
 - 7.7.1 MC Food Specialties Corporate Summary
 - 7.7.2 MC Food Specialties Business Overview
 - 7.7.3 MC Food Specialties Food Grade DL-Malic Acid Major Product Offerings
 - 7.7.4 MC Food Specialties Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
 - 7.7.5 MC Food Specialties Key News
- 7.8 Tate & Lyle
 - 7.8.1 Tate & Lyle Corporate Summary
 - 7.8.2 Tate & Lyle Business Overview
 - 7.8.3 Tate & Lyle Food Grade DL-Malic Acid Major Product Offerings
 - 7.8.4 Tate & Lyle Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
 - 7.8.5 Tate & Lyle Key News
- 7.9 Changmao Biochemical Engineering
 - 7.9.1 Changmao Biochemical Engineering Corporate Summary
 - 7.9.2 Changmao Biochemical Engineering Business Overview
 - 7.9.3 Changmao Biochemical Engineering Food Grade DL-Malic Acid Major Product Offerings
 - 7.9.4 Changmao Biochemical Engineering Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
 - 7.9.5 Changmao Biochemical Engineering Key News
- 7.10 Sealong Biotechnology
 - 7.10.1 Sealong Biotechnology Corporate Summary
 - 7.10.2 Sealong Biotechnology Business Overview
 - 7.10.3 Sealong Biotechnology Food Grade DL-Malic Acid Major Product Offerings
 - 7.10.4 Sealong Biotechnology Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
 - 7.10.5 Sealong Biotechnology Key News
- 7.11 Jinhu Lile Biotechnology
 - 7.11.1 Jinhu Lile Biotechnology Corporate Summary

- 7.11.2 Jinhua Lile Biotechnology Food Grade DL-Malic Acid Business Overview
- 7.11.3 Jinhua Lile Biotechnology Food Grade DL-Malic Acid Major Product Offerings
- 7.11.4 Jinhua Lile Biotechnology Food Grade DL-Malic Acid Sales and Revenue in Global (2017-2022)
- 7.11.5 Jinhua Lile Biotechnology Key News

8 GLOBAL FOOD GRADE DL-MALIC ACID PRODUCTION CAPACITY, ANALYSIS

- 8.1 Global Food Grade DL-Malic Acid Production Capacity, 2017-2028
- 8.2 Food Grade DL-Malic Acid Production Capacity of Key Manufacturers in Global Market
- 8.3 Global Food Grade DL-Malic Acid Production by Region

9 KEY MARKET TRENDS, OPPORTUNITY, DRIVERS AND RESTRAINTS

- 9.1 Market Opportunities & Trends
- 9.2 Market Drivers
- 9.3 Market Restraints

10 FOOD GRADE DL-MALIC ACID SUPPLY CHAIN ANALYSIS

- 10.1 Food Grade DL-Malic Acid Industry Value Chain
- 10.2 Food Grade DL-Malic Acid Upstream Market
- 10.3 Food Grade DL-Malic Acid Downstream and Clients
- 10.4 Marketing Channels Analysis
 - 10.4.1 Marketing Channels
 - 10.4.2 Food Grade DL-Malic Acid Distributors and Sales Agents in Global

11 CONCLUSION

12 APPENDIX

- 12.1 Note
- 12.2 Examples of Clients
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Key Players of Food Grade DL-Malic Acid in Global Market

Table 2. Top Food Grade DL-Malic Acid Players in Global Market, Ranking by Revenue (2021)

Table 3. Global Food Grade DL-Malic Acid Revenue by Companies, (US\$, Mn), 2017-2022

Table 4. Global Food Grade DL-Malic Acid Revenue Share by Companies, 2017-2022

Table 5. Global Food Grade DL-Malic Acid Sales by Companies, (Tons), 2017-2022

Table 6. Global Food Grade DL-Malic Acid Sales Share by Companies, 2017-2022

Table 7. Key Manufacturers Food Grade DL-Malic Acid Price (2017-2022) & (US\$/Ton)

Table 8. Global Manufacturers Food Grade DL-Malic Acid Product Type

Table 9. List of Global Tier 1 Food Grade DL-Malic Acid Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 10. List of Global Tier 2 and Tier 3 Food Grade DL-Malic Acid Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 11. By Type – Global Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2021 & 2028

Table 12. By Type - Global Food Grade DL-Malic Acid Revenue (US\$, Mn), 2017-2022

Table 13. By Type - Global Food Grade DL-Malic Acid Revenue (US\$, Mn), 2023-2028

Table 14. By Type - Global Food Grade DL-Malic Acid Sales (Tons), 2017-2022

Table 15. By Type - Global Food Grade DL-Malic Acid Sales (Tons), 2023-2028

Table 16. By Application – Global Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2021 & 2028

Table 17. By Application - Global Food Grade DL-Malic Acid Revenue (US\$, Mn), 2017-2022

Table 18. By Application - Global Food Grade DL-Malic Acid Revenue (US\$, Mn), 2023-2028

Table 19. By Application - Global Food Grade DL-Malic Acid Sales (Tons), 2017-2022

Table 20. By Application - Global Food Grade DL-Malic Acid Sales (Tons), 2023-2028

Table 21. By Region – Global Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2021 VS 2028

Table 22. By Region - Global Food Grade DL-Malic Acid Revenue (US\$, Mn), 2017-2022

Table 23. By Region - Global Food Grade DL-Malic Acid Revenue (US\$, Mn), 2023-2028

Table 24. By Region - Global Food Grade DL-Malic Acid Sales (Tons), 2017-2022

Table 25. By Region - Global Food Grade DL-Malic Acid Sales (Tons), 2023-2028

Table 26. By Country - North America Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2022

Table 27. By Country - North America Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2023-2028

Table 28. By Country - North America Food Grade DL-Malic Acid Sales, (Tons), 2017-2022

Table 29. By Country - North America Food Grade DL-Malic Acid Sales, (Tons), 2023-2028

Table 30. By Country - Europe Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2022

Table 31. By Country - Europe Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2023-2028

Table 32. By Country - Europe Food Grade DL-Malic Acid Sales, (Tons), 2017-2022

Table 33. By Country - Europe Food Grade DL-Malic Acid Sales, (Tons), 2023-2028

Table 34. By Region - Asia Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2022

Table 35. By Region - Asia Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2023-2028

Table 36. By Region - Asia Food Grade DL-Malic Acid Sales, (Tons), 2017-2022

Table 37. By Region - Asia Food Grade DL-Malic Acid Sales, (Tons), 2023-2028

Table 38. By Country - South America Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2022

Table 39. By Country - South America Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2023-2028

Table 40. By Country - South America Food Grade DL-Malic Acid Sales, (Tons), 2017-2022

Table 41. By Country - South America Food Grade DL-Malic Acid Sales, (Tons), 2023-2028

Table 42. By Country - Middle East & Africa Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2022

Table 43. By Country - Middle East & Africa Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2023-2028

Table 44. By Country - Middle East & Africa Food Grade DL-Malic Acid Sales, (Tons), 2017-2022

Table 45. By Country - Middle East & Africa Food Grade DL-Malic Acid Sales, (Tons), 2023-2028

Table 46. Fuso Chemical Corporate Summary

Table 47. Fuso Chemical Food Grade DL-Malic Acid Product Offerings

Table 48. Fuso Chemical Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 49. Bartek Corporate Summary

Table 50. Bartek Food Grade DL-Malic Acid Product Offerings

Table 51. Bartek Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 52. Isegen Corporate Summary

Table 53. Isegen Food Grade DL-Malic Acid Product Offerings

Table 54. Isegen Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 55. Polynt Corporate Summary

Table 56. Polynt Food Grade DL-Malic Acid Product Offerings

Table 57. Polynt Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 58. Thirumalai Chemicals Corporate Summary

Table 59. Thirumalai Chemicals Food Grade DL-Malic Acid Product Offerings

Table 60. Thirumalai Chemicals Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 61. Yongsan Chemicals Corporate Summary

Table 62. Yongsan Chemicals Food Grade DL-Malic Acid Product Offerings

Table 63. Yongsan Chemicals Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 64. MC Food Specialties Corporate Summary

Table 65. MC Food Specialties Food Grade DL-Malic Acid Product Offerings

Table 66. MC Food Specialties Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 67. Tate & Lyle Corporate Summary

Table 68. Tate & Lyle Food Grade DL-Malic Acid Product Offerings

Table 69. Tate & Lyle Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 70. Changmao Biochemical Engineering Corporate Summary

Table 71. Changmao Biochemical Engineering Food Grade DL-Malic Acid Product Offerings

Table 72. Changmao Biochemical Engineering Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 73. Sealong Biotechnology Corporate Summary

Table 74. Sealong Biotechnology Food Grade DL-Malic Acid Product Offerings

Table 75. Sealong Biotechnology Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 76. Jinhu Lile Biotechnology Corporate Summary

Table 77. Jinhu Lile Biotechnology Food Grade DL-Malic Acid Product Offerings

Table 78. Jinhua Lile Biotechnology Food Grade DL-Malic Acid Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 79. Food Grade DL-Malic Acid Production Capacity (Tons) of Key Manufacturers in Global Market, 2020-2022 (Tons)

Table 80. Global Food Grade DL-Malic Acid Capacity Market Share of Key Manufacturers, 2020-2022

Table 81. Global Food Grade DL-Malic Acid Production by Region, 2017-2022 (Tons)

Table 82. Global Food Grade DL-Malic Acid Production by Region, 2023-2028 (Tons)

Table 83. Food Grade DL-Malic Acid Market Opportunities & Trends in Global Market

Table 84. Food Grade DL-Malic Acid Market Drivers in Global Market

Table 85. Food Grade DL-Malic Acid Market Restraints in Global Market

Table 86. Food Grade DL-Malic Acid Raw Materials

Table 87. Food Grade DL-Malic Acid Raw Materials Suppliers in Global Market

Table 88. Typical Food Grade DL-Malic Acid Downstream

Table 89. Food Grade DL-Malic Acid Downstream Clients in Global Market

Table 90. Food Grade DL-Malic Acid Distributors and Sales Agents in Global Market

List Of Figures

LIST OF FIGURES

Figure 1. Food Grade DL-Malic Acid Segment by Type

Figure 2. Food Grade DL-Malic Acid Segment by Application

Figure 3. Global Food Grade DL-Malic Acid Market Overview: 2021

Figure 4. Key Caveats

Figure 5. Global Food Grade DL-Malic Acid Market Size: 2021 VS 2028 (US\$, Mn)

Figure 6. Global Food Grade DL-Malic Acid Revenue, 2017-2028 (US\$, Mn)

Figure 7. Food Grade DL-Malic Acid Sales in Global Market: 2017-2028 (Tons)

Figure 8. The Top 3 and 5 Players Market Share by Food Grade DL-Malic Acid Revenue in 2021

Figure 9. By Type - Global Food Grade DL-Malic Acid Sales Market Share, 2017-2028

Figure 10. By Type - Global Food Grade DL-Malic Acid Revenue Market Share, 2017-2028

Figure 11. By Type - Global Food Grade DL-Malic Acid Price (US\$/Ton), 2017-2028

Figure 12. By Application - Global Food Grade DL-Malic Acid Sales Market Share, 2017-2028

Figure 13. By Application - Global Food Grade DL-Malic Acid Revenue Market Share, 2017-2028

Figure 14. By Application - Global Food Grade DL-Malic Acid Price (US\$/Ton), 2017-2028

Figure 15. By Region - Global Food Grade DL-Malic Acid Sales Market Share, 2017-2028

Figure 16. By Region - Global Food Grade DL-Malic Acid Revenue Market Share, 2017-2028

Figure 17. By Country - North America Food Grade DL-Malic Acid Revenue Market Share, 2017-2028

Figure 18. By Country - North America Food Grade DL-Malic Acid Sales Market Share, 2017-2028

Figure 19. US Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 20. Canada Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 21. Mexico Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 22. By Country - Europe Food Grade DL-Malic Acid Revenue Market Share, 2017-2028

Figure 23. By Country - Europe Food Grade DL-Malic Acid Sales Market Share, 2017-2028

Figure 24. Germany Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 25. France Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 26. U.K. Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 27. Italy Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 28. Russia Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 29. Nordic Countries Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 30. Benelux Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 31. By Region - Asia Food Grade DL-Malic Acid Revenue Market Share, 2017-2028

Figure 32. By Region - Asia Food Grade DL-Malic Acid Sales Market Share, 2017-2028

Figure 33. China Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 34. Japan Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 35. South Korea Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 36. Southeast Asia Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 37. India Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 38. By Country - South America Food Grade DL-Malic Acid Revenue Market Share, 2017-2028

Figure 39. By Country - South America Food Grade DL-Malic Acid Sales Market Share, 2017-2028

Figure 40. Brazil Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 41. Argentina Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 42. By Country - Middle East & Africa Food Grade DL-Malic Acid Revenue Market Share, 2017-2028

Figure 43. By Country - Middle East & Africa Food Grade DL-Malic Acid Sales Market Share, 2017-2028

Figure 44. Turkey Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 45. Israel Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 46. Saudi Arabia Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 47. UAE Food Grade DL-Malic Acid Revenue, (US\$, Mn), 2017-2028

Figure 48. Global Food Grade DL-Malic Acid Production Capacity (Tons), 2017-2028

Figure 49. The Percentage of Production Food Grade DL-Malic Acid by Region, 2021 VS 2028

Figure 50. Food Grade DL-Malic Acid Industry Value Chain

Figure 51. Marketing Channels

I would like to order

Product name: Food Grade DL-Malic Acid Market, Global Outlook and Forecast 2022-2028

Product link: <https://marketpublishers.com/r/F926A8C9101DEN.html>

Price: US\$ 3,250.00 (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/F926A8C9101DEN.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