

Global Antioxidant 1222 Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Antioxidant 1222 market size was valued at US\$ 309 million in 2025 and is forecast to a readjusted size of US\$ 405 million by 2032 with a CAGR of 3.6% during review period.

Global production of antioxidant 1222 is projected to reach 150,000 tons by 2025, with an average selling price of approximately US\$2,000 per ton.

Antioxidant 1222 (chemical name: 3,5-di-tert-butyl-4-hydroxybenzyl diethylphosphonate, CAS No. 976-56-7) is a phosphorus-containing hindered phenolic antioxidant with the molecular formula $C_{22}H_{30}O_2P$. It appears as a white or slightly yellow crystalline powder with a melting point of 159-161°C. Its core characteristic lies in its highly efficient antioxidant effect achieved through a phosphorus-phenol synergistic structure, while also possessing extraction resistance (not easily extracted by solvents) and photostability. It is widely used in the anti-aging treatment of polymer materials such as polyesters and polyamides. The industry's gross profit margin is approximately 15-25%.

Upstream: Core raw materials include phosphate esters, tert-butanol, and phenol, with phosphate esters accounting for over 40% of the cost. Technological barriers lie in catalyst selection and reaction condition control. Downstream: Covering polyester fibers, engineering plastics, automotive interiors, and electronic packaging, B-end customers (such as chemical fiber plants and modified plastics companies) account for over 80%, while the C-end consumer market (such as DIY materials and 3C accessories) is experiencing significant growth.

Market drivers primarily include the following:

Explosive growth in demand for new energy and lightweight materials

Increased weather resistance requirements in photovoltaic frames, lithium battery separators, and lightweight automotive materials (such as PA66 and PBT) are driving the penetration rate of antioxidant 1222 in high-end engineering plastics. For example, photovoltaic modules need to operate stably in environments ranging from -40? to 85?, and antioxidant 1222 can significantly extend the material's lifespan.

Stricter environmental regulations forcing upgrades

Standards such as the EU REACH regulation and China's 'Green Product Evaluation' impose stringent limits on volatile organic compound (VOC) emissions from materials. Antioxidant 1222, due to its low toxicity and migration resistance, has become the preferred alternative to traditional antioxidants (such as 1010 and 168).

Consumer upgrades driving functional expansion

Home appliances and 3C products are developing towards high-end and personalized products, requiring materials to simultaneously meet demands for anti-yellowing, scratch resistance, and high gloss. Antioxidant 1222, when combined with UV absorbers and nucleating agents, can be developed into a 'one-stop' solution, simplifying the customer's formulation design process.

This report is a detailed and comprehensive analysis for global Antioxidant 1222 market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Antioxidant 1222 market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Antioxidant 1222 market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices

(US\$/Ton), 2021-2032

Global Antioxidant 1222 market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Antioxidant 1222 market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Antioxidant 1222

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Antioxidant 1222 market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Exim-Indis, Inc., Johoku Chemical Co., Ltd., Qingdao Truelight Functional MATERIALS Technology Co., Ltd., Shanghai Chainpharm Biotechnology Co., Ltd., Hubei Jianchu Biopharmaceutical Co., Ltd., Suqian Rising Chemical Co., Ltd., Shayang Qinjiang Chemical Co., Ltd., Hubei Hongxin Ruiyu Fine Chemical Co., Ltd., Jining Xinhe Chemical Co., Ltd., etc.

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

Market Segmentation

Antioxidant 1222 market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Purity above 99%

Purity 98-99%

Purity below 98%

Market segment by Product Forms

Powdered

Particulate

Market segment by Functional Category

Primary Antioxidant

Secondary Antioxidant

Composite

Market segment by Application

Plastic Processing

Rubber Processing

Paint Processing

Fiber Processing

Other

Major players covered

Exim-Indis, Inc.

Johoku Chemical Co., Ltd.

Qingdao Truelight Functional MATERIALS Technology Co., Ltd.

Shanghai Chainpharm Biotechnology Co., Ltd.

Hubei Jianchu Biopharmaceutical Co., Ltd.

Suqian Rising Chemical Co., Ltd.

Shayang Qinjiang Chemical Co., Ltd.

Hubei Hongxin Ruiyu Fine Chemical Co., Ltd.

Jining Xinhe Chemical Co., Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Antioxidant 1222 product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Antioxidant 1222, with price, sales quantity, revenue, and global market share of Antioxidant 1222 from 2021 to 2026.

Chapter 3, the Antioxidant 1222 competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Antioxidant 1222 breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Antioxidant 1222 market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Antioxidant 1222.

Chapter 14 and 15, to describe Antioxidant 1222 sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Antioxidant 1222 Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Purity above 99%

1.3.3 Purity 98-99%

1.3.4 Purity below 98%

1.4 Market Analysis by Product Forms

1.4.1 Overview: Global Antioxidant 1222 Consumption Value by Product Forms: 2021 Versus 2025 Versus 2032

1.4.2 Powdered

1.4.3 Particulate

1.5 Market Analysis by Functional Category

1.5.1 Overview: Global Antioxidant 1222 Consumption Value by Functional Category: 2021 Versus 2025 Versus 2032

1.5.2 Primary Antioxidant

1.5.3 Secondary Antioxidant

1.5.4 Composite

1.6 Market Analysis by Application

1.6.1 Overview: Global Antioxidant 1222 Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Plastic Processing

1.6.3 Rubber Processing

1.6.4 Paint Processing

1.6.5 Fiber Processing

1.6.6 Other

1.7 Global Antioxidant 1222 Market Size & Forecast

1.7.1 Global Antioxidant 1222 Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Antioxidant 1222 Sales Quantity (2021-2032)

1.7.3 Global Antioxidant 1222 Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Exim-Indis, Inc.

- 2.1.1 Exim-Indis, Inc. Details
- 2.1.2 Exim-Indis, Inc. Major Business
- 2.1.3 Exim-Indis, Inc. Antioxidant 1222 Product and Services
- 2.1.4 Exim-Indis, Inc. Antioxidant 1222 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Exim-Indis, Inc. Recent Developments/Updates
- 2.2 Johoku Chemical Co., Ltd.
 - 2.2.1 Johoku Chemical Co., Ltd. Details
 - 2.2.2 Johoku Chemical Co., Ltd. Major Business
 - 2.2.3 Johoku Chemical Co., Ltd. Antioxidant 1222 Product and Services
 - 2.2.4 Johoku Chemical Co., Ltd. Antioxidant 1222 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 Johoku Chemical Co., Ltd. Recent Developments/Updates
- 2.3 Qingdao Truelight Functional MATERIALS Technology Co., Ltd.
 - 2.3.1 Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Details
 - 2.3.2 Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Major Business
 - 2.3.3 Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Antioxidant 1222 Product and Services
 - 2.3.4 Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Antioxidant 1222 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Recent Developments/Updates
- 2.4 Shanghai Chainpharm Biotechnology Co., Ltd.
 - 2.4.1 Shanghai Chainpharm Biotechnology Co., Ltd. Details
 - 2.4.2 Shanghai Chainpharm Biotechnology Co., Ltd. Major Business
 - 2.4.3 Shanghai Chainpharm Biotechnology Co., Ltd. Antioxidant 1222 Product and Services
 - 2.4.4 Shanghai Chainpharm Biotechnology Co., Ltd. Antioxidant 1222 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 Shanghai Chainpharm Biotechnology Co., Ltd. Recent Developments/Updates
- 2.5 Hubei Jianchu Biopharmaceutical Co., Ltd.
 - 2.5.1 Hubei Jianchu Biopharmaceutical Co., Ltd. Details
 - 2.5.2 Hubei Jianchu Biopharmaceutical Co., Ltd. Major Business
 - 2.5.3 Hubei Jianchu Biopharmaceutical Co., Ltd. Antioxidant 1222 Product and Services
 - 2.5.4 Hubei Jianchu Biopharmaceutical Co., Ltd. Antioxidant 1222 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 Hubei Jianchu Biopharmaceutical Co., Ltd. Recent Developments/Updates

2.6 Suqian Rising Chemical Co., Ltd.

2.6.1 Suqian Rising Chemical Co., Ltd. Details

2.6.2 Suqian Rising Chemical Co., Ltd. Major Business

2.6.3 Suqian Rising Chemical Co., Ltd. Antioxidant 1222 Product and Services

2.6.4 Suqian Rising Chemical Co., Ltd. Antioxidant 1222 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Suqian Rising Chemical Co., Ltd. Recent Developments/Updates

2.7 Shayang Qinjiang Chemical Co., Ltd.

2.7.1 Shayang Qinjiang Chemical Co., Ltd. Details

2.7.2 Shayang Qinjiang Chemical Co., Ltd. Major Business

2.7.3 Shayang Qinjiang Chemical Co., Ltd. Antioxidant 1222 Product and Services

2.7.4 Shayang Qinjiang Chemical Co., Ltd. Antioxidant 1222 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Shayang Qinjiang Chemical Co., Ltd. Recent Developments/Updates

2.8 Hubei Hongxin Ruiyu Fine Chemical Co., Ltd.

2.8.1 Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Details

2.8.2 Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Major Business

2.8.3 Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Antioxidant 1222 Product and Services

2.8.4 Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Antioxidant 1222 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Recent Developments/Updates

2.9 Jining Xinhe Chemical Co., Ltd.

2.9.1 Jining Xinhe Chemical Co., Ltd. Details

2.9.2 Jining Xinhe Chemical Co., Ltd. Major Business

2.9.3 Jining Xinhe Chemical Co., Ltd. Antioxidant 1222 Product and Services

2.9.4 Jining Xinhe Chemical Co., Ltd. Antioxidant 1222 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Jining Xinhe Chemical Co., Ltd. Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: ANTIOXIDANT 1222 BY MANUFACTURER

3.1 Global Antioxidant 1222 Sales Quantity by Manufacturer (2021-2026)

3.2 Global Antioxidant 1222 Revenue by Manufacturer (2021-2026)

3.3 Global Antioxidant 1222 Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Antioxidant 1222 by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Antioxidant 1222 Manufacturer Market Share in 2025

- 3.4.3 Top 6 Antioxidant 1222 Manufacturer Market Share in 2025
- 3.5 Antioxidant 1222 Market: Overall Company Footprint Analysis
 - 3.5.1 Antioxidant 1222 Market: Region Footprint
 - 3.5.2 Antioxidant 1222 Market: Company Product Type Footprint
 - 3.5.3 Antioxidant 1222 Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Antioxidant 1222 Market Size by Region
 - 4.1.1 Global Antioxidant 1222 Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Antioxidant 1222 Consumption Value by Region (2021-2032)
 - 4.1.3 Global Antioxidant 1222 Average Price by Region (2021-2032)
- 4.2 North America Antioxidant 1222 Consumption Value (2021-2032)
- 4.3 Europe Antioxidant 1222 Consumption Value (2021-2032)
- 4.4 Asia-Pacific Antioxidant 1222 Consumption Value (2021-2032)
- 4.5 South America Antioxidant 1222 Consumption Value (2021-2032)
- 4.6 Middle East & Africa Antioxidant 1222 Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Antioxidant 1222 Sales Quantity by Type (2021-2032)
- 5.2 Global Antioxidant 1222 Consumption Value by Type (2021-2032)
- 5.3 Global Antioxidant 1222 Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Antioxidant 1222 Sales Quantity by Application (2021-2032)
- 6.2 Global Antioxidant 1222 Consumption Value by Application (2021-2032)
- 6.3 Global Antioxidant 1222 Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America Antioxidant 1222 Sales Quantity by Type (2021-2032)
- 7.2 North America Antioxidant 1222 Sales Quantity by Application (2021-2032)
- 7.3 North America Antioxidant 1222 Market Size by Country
 - 7.3.1 North America Antioxidant 1222 Sales Quantity by Country (2021-2032)
 - 7.3.2 North America Antioxidant 1222 Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Antioxidant 1222 Sales Quantity by Type (2021-2032)

8.2 Europe Antioxidant 1222 Sales Quantity by Application (2021-2032)

8.3 Europe Antioxidant 1222 Market Size by Country

8.3.1 Europe Antioxidant 1222 Sales Quantity by Country (2021-2032)

8.3.2 Europe Antioxidant 1222 Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Antioxidant 1222 Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Antioxidant 1222 Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Antioxidant 1222 Market Size by Region

9.3.1 Asia-Pacific Antioxidant 1222 Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Antioxidant 1222 Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Antioxidant 1222 Sales Quantity by Type (2021-2032)

10.2 South America Antioxidant 1222 Sales Quantity by Application (2021-2032)

10.3 South America Antioxidant 1222 Market Size by Country

10.3.1 South America Antioxidant 1222 Sales Quantity by Country (2021-2032)

10.3.2 South America Antioxidant 1222 Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Antioxidant 1222 Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Antioxidant 1222 Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Antioxidant 1222 Market Size by Country

11.3.1 Middle East & Africa Antioxidant 1222 Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Antioxidant 1222 Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Antioxidant 1222 Market Drivers

12.2 Antioxidant 1222 Market Restraints

12.3 Antioxidant 1222 Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Antioxidant 1222 and Key Manufacturers

13.2 Manufacturing Costs Percentage of Antioxidant 1222

13.3 Antioxidant 1222 Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Antioxidant 1222 Typical Distributors

14.3 Antioxidant 1222 Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Antioxidant 1222 Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Antioxidant 1222 Consumption Value by Product Forms, (USD Million), 2021 & 2025 & 2032

Table 3. Global Antioxidant 1222 Consumption Value by Functional Category, (USD Million), 2021 & 2025 & 2032

Table 4. Global Antioxidant 1222 Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Exim-Indis, Inc. Basic Information, Manufacturing Base and Competitors

Table 6. Exim-Indis, Inc. Major Business

Table 7. Exim-Indis, Inc. Antioxidant 1222 Product and Services

Table 8. Exim-Indis, Inc. Antioxidant 1222 Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Exim-Indis, Inc. Recent Developments/Updates

Table 10. Johoku Chemical Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 11. Johoku Chemical Co., Ltd. Major Business

Table 12. Johoku Chemical Co., Ltd. Antioxidant 1222 Product and Services

Table 13. Johoku Chemical Co., Ltd. Antioxidant 1222 Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Johoku Chemical Co., Ltd. Recent Developments/Updates

Table 15. Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 16. Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Major Business

Table 17. Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Antioxidant 1222 Product and Services

Table 18. Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Antioxidant 1222 Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Qingdao Truelight Functional MATERIALS Technology Co., Ltd. Recent Developments/Updates

Table 20. Shanghai Chainpharm Biotechnology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 21. Shanghai Chainpharm Biotechnology Co., Ltd. Major Business

- Table 22. Shanghai Chainpharm Biotechnology Co., Ltd. Antioxidant 1222 Product and Services
- Table 23. Shanghai Chainpharm Biotechnology Co., Ltd. Antioxidant 1222 Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 24. Shanghai Chainpharm Biotechnology Co., Ltd. Recent Developments/Updates
- Table 25. Hubei Jianchu Biopharmaceutical Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 26. Hubei Jianchu Biopharmaceutical Co., Ltd. Major Business
- Table 27. Hubei Jianchu Biopharmaceutical Co., Ltd. Antioxidant 1222 Product and Services
- Table 28. Hubei Jianchu Biopharmaceutical Co., Ltd. Antioxidant 1222 Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 29. Hubei Jianchu Biopharmaceutical Co., Ltd. Recent Developments/Updates
- Table 30. Suqian Rising Chemical Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 31. Suqian Rising Chemical Co., Ltd. Major Business
- Table 32. Suqian Rising Chemical Co., Ltd. Antioxidant 1222 Product and Services
- Table 33. Suqian Rising Chemical Co., Ltd. Antioxidant 1222 Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 34. Suqian Rising Chemical Co., Ltd. Recent Developments/Updates
- Table 35. Shayang Qinjiang Chemical Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 36. Shayang Qinjiang Chemical Co., Ltd. Major Business
- Table 37. Shayang Qinjiang Chemical Co., Ltd. Antioxidant 1222 Product and Services
- Table 38. Shayang Qinjiang Chemical Co., Ltd. Antioxidant 1222 Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 39. Shayang Qinjiang Chemical Co., Ltd. Recent Developments/Updates
- Table 40. Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 41. Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Major Business
- Table 42. Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Antioxidant 1222 Product and Services
- Table 43. Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Antioxidant 1222 Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and

Market Share (2021-2026)

Table 44. Hubei Hongxin Ruiyu Fine Chemical Co., Ltd. Recent Developments/Updates

Table 45. Jining Xinhe Chemical Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 46. Jining Xinhe Chemical Co., Ltd. Major Business

Table 47. Jining Xinhe Chemical Co., Ltd. Antioxidant 1222 Product and Services

Table 48. Jining Xinhe Chemical Co., Ltd. Antioxidant 1222 Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Jining Xinhe Chemical Co., Ltd. Recent Developments/Updates

Table 50. Global Antioxidant 1222 Sales Quantity by Manufacturer (2021-2026) & (Tons)

Table 51. Global Antioxidant 1222 Revenue by Manufacturer (2021-2026) & (USD Million)

Table 52. Global Antioxidant 1222 Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 53. Market Position of Manufacturers in Antioxidant 1222, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 54. Head Office and Antioxidant 1222 Production Site of Key Manufacturer

Table 55. Antioxidant 1222 Market: Company Product Type Footprint

Table 56. Antioxidant 1222 Market: Company Product Application Footprint

Table 57. Antioxidant 1222 New Market Entrants and Barriers to Market Entry

Table 58. Antioxidant 1222 Mergers, Acquisition, Agreements, and Collaborations

Table 59. Global Antioxidant 1222 Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 60. Global Antioxidant 1222 Sales Quantity by Region (2021-2026) & (Tons)

Table 61. Global Antioxidant 1222 Sales Quantity by Region (2027-2032) & (Tons)

Table 62. Global Antioxidant 1222 Consumption Value by Region (2021-2026) & (USD Million)

Table 63. Global Antioxidant 1222 Consumption Value by Region (2027-2032) & (USD Million)

Table 64. Global Antioxidant 1222 Average Price by Region (2021-2026) & (US\$/Ton)

Table 65. Global Antioxidant 1222 Average Price by Region (2027-2032) & (US\$/Ton)

Table 66. Global Antioxidant 1222 Sales Quantity by Type (2021-2026) & (Tons)

Table 67. Global Antioxidant 1222 Sales Quantity by Type (2027-2032) & (Tons)

Table 68. Global Antioxidant 1222 Consumption Value by Type (2021-2026) & (USD Million)

Table 69. Global Antioxidant 1222 Consumption Value by Type (2027-2032) & (USD Million)

Table 70. Global Antioxidant 1222 Average Price by Type (2021-2026) & (US\$/Ton)

Table 71. Global Antioxidant 1222 Average Price by Type (2027-2032) & (US\$/Ton)

Table 72. Global Antioxidant 1222 Sales Quantity by Application (2021-2026) & (Tons)

Table 73. Global Antioxidant 1222 Sales Quantity by Application (2027-2032) & (Tons)

Table 74. Global Antioxidant 1222 Consumption Value by Application (2021-2026) & (USD Million)

Table 75. Global Antioxidant 1222 Consumption Value by Application (2027-2032) & (USD Million)

Table 76. Global Antioxidant 1222 Average Price by Application (2021-2026) & (US\$/Ton)

Table 77. Global Antioxidant 1222 Average Price by Application (2027-2032) & (US\$/Ton)

Table 78. North America Antioxidant 1222 Sales Quantity by Type (2021-2026) & (Tons)

Table 79. North America Antioxidant 1222 Sales Quantity by Type (2027-2032) & (Tons)

Table 80. North America Antioxidant 1222 Sales Quantity by Application (2021-2026) & (Tons)

Table 81. North America Antioxidant 1222 Sales Quantity by Application (2027-2032) & (Tons)

Table 82. North America Antioxidant 1222 Sales Quantity by Country (2021-2026) & (Tons)

Table 83. North America Antioxidant 1222 Sales Quantity by Country (2027-2032) & (Tons)

Table 84. North America Antioxidant 1222 Consumption Value by Country (2021-2026) & (USD Million)

Table 85. North America Antioxidant 1222 Consumption Value by Country (2027-2032) & (USD Million)

Table 86. Europe Antioxidant 1222 Sales Quantity by Type (2021-2026) & (Tons)

Table 87. Europe Antioxidant 1222 Sales Quantity by Type (2027-2032) & (Tons)

Table 88. Europe Antioxidant 1222 Sales Quantity by Application (2021-2026) & (Tons)

Table 89. Europe Antioxidant 1222 Sales Quantity by Application (2027-2032) & (Tons)

Table 90. Europe Antioxidant 1222 Sales Quantity by Country (2021-2026) & (Tons)

Table 91. Europe Antioxidant 1222 Sales Quantity by Country (2027-2032) & (Tons)

Table 92. Europe Antioxidant 1222 Consumption Value by Country (2021-2026) & (USD Million)

Table 93. Europe Antioxidant 1222 Consumption Value by Country (2027-2032) & (USD Million)

Table 94. Asia-Pacific Antioxidant 1222 Sales Quantity by Type (2021-2026) & (Tons)

Table 95. Asia-Pacific Antioxidant 1222 Sales Quantity by Type (2027-2032) & (Tons)

Table 96. Asia-Pacific Antioxidant 1222 Sales Quantity by Application (2021-2026) & (Tons)

Table 97. Asia-Pacific Antioxidant 1222 Sales Quantity by Application (2027-2032) & (Tons)

Table 98. Asia-Pacific Antioxidant 1222 Sales Quantity by Region (2021-2026) & (Tons)

Table 99. Asia-Pacific Antioxidant 1222 Sales Quantity by Region (2027-2032) & (Tons)

Table 100. Asia-Pacific Antioxidant 1222 Consumption Value by Region (2021-2026) & (USD Million)

Table 101. Asia-Pacific Antioxidant 1222 Consumption Value by Region (2027-2032) & (USD Million)

Table 102. South America Antioxidant 1222 Sales Quantity by Type (2021-2026) & (Tons)

Table 103. South America Antioxidant 1222 Sales Quantity by Type (2027-2032) & (Tons)

Table 104. South America Antioxidant 1222 Sales Quantity by Application (2021-2026) & (Tons)

Table 105. South America Antioxidant 1222 Sales Quantity by Application (2027-2032) & (Tons)

Table 106. South America Antioxidant 1222 Sales Quantity by Country (2021-2026) & (Tons)

Table 107. South America Antioxidant 1222 Sales Quantity by Country (2027-2032) & (Tons)

Table 108. South America Antioxidant 1222 Consumption Value by Country (2021-2026) & (USD Million)

Table 109. South America Antioxidant 1222 Consumption Value by Country (2027-2032) & (USD Million)

Table 110. Middle East & Africa Antioxidant 1222 Sales Quantity by Type (2021-2026) & (Tons)

Table 111. Middle East & Africa Antioxidant 1222 Sales Quantity by Type (2027-2032) & (Tons)

Table 112. Middle East & Africa Antioxidant 1222 Sales Quantity by Application (2021-2026) & (Tons)

Table 113. Middle East & Africa Antioxidant 1222 Sales Quantity by Application (2027-2032) & (Tons)

Table 114. Middle East & Africa Antioxidant 1222 Sales Quantity by Country (2021-2026) & (Tons)

Table 115. Middle East & Africa Antioxidant 1222 Sales Quantity by Country (2027-2032) & (Tons)

Table 116. Middle East & Africa Antioxidant 1222 Consumption Value by Country (2021-2026) & (USD Million)

Table 117. Middle East & Africa Antioxidant 1222 Consumption Value by Country (2027-2032) & (USD Million)

Table 118. Antioxidant 1222 Raw Material

Table 119. Key Manufacturers of Antioxidant 1222 Raw Materials

Table 120. Antioxidant 1222 Typical Distributors

Table 121. Antioxidant 1222 Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Antioxidant 1222 Picture

Figure 2. Global Antioxidant 1222 Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Antioxidant 1222 Revenue Market Share by Type in 2025

Figure 4. Purity above 99% Examples

Figure 5. Purity 98-99% Examples

Figure 6. Purity below 98% Examples

Figure 7. Global Antioxidant 1222 Revenue by Product Forms, (USD Million), 2021 & 2025 & 2032

Figure 8. Global Antioxidant 1222 Revenue Market Share by Product Forms in 2025

Figure 9. Powdered Examples

Figure 10. Particulate Examples

Figure 11. Global Antioxidant 1222 Revenue by Functional Category, (USD Million), 2021 & 2025 & 2032

Figure 12. Global Antioxidant 1222 Revenue Market Share by Functional Category in 2025

Figure 13. Primary Antioxidant Examples

Figure 14. Secondary Antioxidant Examples

Figure 15. Composite Examples

Figure 16. Global Antioxidant 1222 Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 17. Global Antioxidant 1222 Revenue Market Share by Application in 2025

Figure 18. Plastic Processing Examples

Figure 19. Rubber Processing Examples

Figure 20. Paint Processing Examples

Figure 21. Fiber Processing Examples

Figure 22. Other Examples

Figure 23. Global Antioxidant 1222 Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 24. Global Antioxidant 1222 Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 25. Global Antioxidant 1222 Sales Quantity (2021-2032) & (Tons)

Figure 26. Global Antioxidant 1222 Price (2021-2032) & (US\$/Ton)

Figure 27. Global Antioxidant 1222 Sales Quantity Market Share by Manufacturer in 2025

- Figure 28. Global Antioxidant 1222 Revenue Market Share by Manufacturer in 2025
- Figure 29. Producer Shipments of Antioxidant 1222 by Manufacturer Sales (\$MM) and Market Share (%): 2025
- Figure 30. Top 3 Antioxidant 1222 Manufacturer (Revenue) Market Share in 2025
- Figure 31. Top 6 Antioxidant 1222 Manufacturer (Revenue) Market Share in 2025
- Figure 32. Global Antioxidant 1222 Sales Quantity Market Share by Region (2021-2032)
- Figure 33. Global Antioxidant 1222 Consumption Value Market Share by Region (2021-2032)
- Figure 34. North America Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)
- Figure 35. Europe Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)
- Figure 36. Asia-Pacific Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)
- Figure 37. South America Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)
- Figure 38. Middle East & Africa Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)
- Figure 39. Global Antioxidant 1222 Sales Quantity Market Share by Type (2021-2032)
- Figure 40. Global Antioxidant 1222 Consumption Value Market Share by Type (2021-2032)
- Figure 41. Global Antioxidant 1222 Average Price by Type (2021-2032) & (US\$/Ton)
- Figure 42. Global Antioxidant 1222 Sales Quantity Market Share by Application (2021-2032)
- Figure 43. Global Antioxidant 1222 Revenue Market Share by Application (2021-2032)
- Figure 44. Global Antioxidant 1222 Average Price by Application (2021-2032) & (US\$/Ton)
- Figure 45. North America Antioxidant 1222 Sales Quantity Market Share by Type (2021-2032)
- Figure 46. North America Antioxidant 1222 Sales Quantity Market Share by Application (2021-2032)
- Figure 47. North America Antioxidant 1222 Sales Quantity Market Share by Country (2021-2032)
- Figure 48. North America Antioxidant 1222 Consumption Value Market Share by Country (2021-2032)
- Figure 49. United States Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)
- Figure 50. Canada Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)
- Figure 51. Mexico Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)
- Figure 52. Europe Antioxidant 1222 Sales Quantity Market Share by Type (2021-2032)

Figure 53. Europe Antioxidant 1222 Sales Quantity Market Share by Application (2021-2032)

Figure 54. Europe Antioxidant 1222 Sales Quantity Market Share by Country (2021-2032)

Figure 55. Europe Antioxidant 1222 Consumption Value Market Share by Country (2021-2032)

Figure 56. Germany Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 57. France Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 58. United Kingdom Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 59. Russia Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 60. Italy Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 61. Asia-Pacific Antioxidant 1222 Sales Quantity Market Share by Type (2021-2032)

Figure 62. Asia-Pacific Antioxidant 1222 Sales Quantity Market Share by Application (2021-2032)

Figure 63. Asia-Pacific Antioxidant 1222 Sales Quantity Market Share by Region (2021-2032)

Figure 64. Asia-Pacific Antioxidant 1222 Consumption Value Market Share by Region (2021-2032)

Figure 65. China Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 66. Japan Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 67. South Korea Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 68. India Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 69. Southeast Asia Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 70. Australia Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 71. South America Antioxidant 1222 Sales Quantity Market Share by Type (2021-2032)

Figure 72. South America Antioxidant 1222 Sales Quantity Market Share by Application (2021-2032)

Figure 73. South America Antioxidant 1222 Sales Quantity Market Share by Country (2021-2032)

Figure 74. South America Antioxidant 1222 Consumption Value Market Share by Country (2021-2032)

Figure 75. Brazil Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 76. Argentina Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 77. Middle East & Africa Antioxidant 1222 Sales Quantity Market Share by Type

(2021-2032)

Figure 78. Middle East & Africa Antioxidant 1222 Sales Quantity Market Share by Application (2021-2032)

Figure 79. Middle East & Africa Antioxidant 1222 Sales Quantity Market Share by Country (2021-2032)

Figure 80. Middle East & Africa Antioxidant 1222 Consumption Value Market Share by Country (2021-2032)

Figure 81. Turkey Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 82. Egypt Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 83. Saudi Arabia Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 84. South Africa Antioxidant 1222 Consumption Value (2021-2032) & (USD Million)

Figure 85. Antioxidant 1222 Market Drivers

Figure 86. Antioxidant 1222 Market Restraints

Figure 87. Antioxidant 1222 Market Trends

Figure 88. Porters Five Forces Analysis

Figure 89. Manufacturing Cost Structure Analysis of Antioxidant 1222 in 2025

Figure 90. Manufacturing Process Analysis of Antioxidant 1222

Figure 91. Antioxidant 1222 Industrial Chain

Figure 92. Sales Channel: Direct to End-User vs Distributors

Figure 93. Direct Channel Pros & Cons

Figure 94. Indirect Channel Pros & Cons

Figure 95. Methodology

Figure 96. Research Process and Data Source

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