

Global Glutathione Industry Growth and Trends Forecast to 2030

<https://marketpublishers.com/r/GCB43BBB1C8AEN.html>

Date: October 2024

Pages: 93

Price: US\$ 3,450.00 (Single User License)

ID: GCB43BBB1C8AEN

Abstracts

Summary

Glutathione is a low molecular weight molecule, primarily known for its antioxidant properties. It protects cells by neutralizing reactive oxygen species (ROS) and free radicals, which can cause oxidative stress and damage cellular components like proteins, lipids, and DNA. It also plays an essential role in detoxification and immune function.

There are two primary types of glutathione used in the market:

Reduced Glutathione (GSH): This is the biologically active form that plays a significant role in reducing oxidative stress in cells. It is the predominant form used in health products, pharmaceuticals, and cosmetics. Its ability to protect against cellular damage makes it critical in treating conditions related to oxidative stress and detoxification.

Oxidized Glutathione (GSSG): This form is inactive and is the product of the reaction where GSH donates an electron to a free radical. It can be converted back to GSH in the body with the help of glutathione reductase, an enzyme that recycles GSSG into its active form.

Glutathione is used in treatments for liver diseases, immune system enhancement, cancer therapies, and detoxification therapies. Due to its role in neutralizing toxins and free radicals, it helps in reducing cell damage and improving recovery from various diseases. Glutathione is widely used as a dietary supplement for its antioxidant and detoxifying properties. People use it to boost immune function, slow aging, and improve overall well-being. Glutathione is popular in skin care products, especially for skin

whitening and anti-aging. Its ability to inhibit melanin production helps lighten skin tone and reduce the appearance of dark spots and pigmentation. In the food sector, glutathione is used as an additive for its antioxidant properties, helping preserve food by reducing oxidation, thus improving shelf life.

Glutathione can be produced through several methods, primarily using biotechnological processes such as fermentation, chemical synthesis, or extraction from natural sources. The most common manufacturing methods include:

Microbial Fermentation: This is one of the most efficient methods of producing glutathione. Using strains of yeast or bacteria (such as *Saccharomyces cerevisiae* or *Escherichia coli*), glutathione is synthesized in large quantities by feeding the microbes specific amino acids (glutamine, cysteine, and glycine). The process involves optimizing conditions to promote the maximum yield of reduced glutathione (GSH).

Chemical Synthesis: This method involves combining the three amino acids (glutamine, cysteine, and glycine) through chemical reactions under controlled conditions. While effective, chemical synthesis is more complex and expensive compared to microbial fermentation.

Enzymatic Synthesis: This approach utilizes specific enzymes like glutathione synthetase to produce glutathione from its precursor molecules. This method is less common due to its high cost but offers high purity levels.

Extraction: Glutathione can be extracted from plants and animal tissues, although this method is less efficient for large-scale production. It is primarily used in niche markets or research.

Market Forms

Bulk Chemical Supply: In some markets, glutathione is sold in bulk to manufacturers who then use it as a raw material for further processing. This includes pharmaceutical companies or cosmetic manufacturers who will incorporate it into specific formulations.

End-Use Products: Glutathione can be found in the form of tablets, capsules, or serums, which are directly sold to consumers as dietary supplements, skincare products, or medications. These end-use products often include additives to enhance stability, absorption, or functionality.

After production, glutathione is often stabilized and packaged depending on the application. For instance, in dietary supplements, glutathione is often combined with other stabilizing agents to ensure it remains active in the digestive system until absorption. In the case of cosmetics, glutathione may be combined with carriers or other active ingredients (like Vitamin C) to enhance its effectiveness in topical applications.

Glutathione is a versatile and essential molecule with applications across multiple industries. Depending on its form and how it is processed, it serves different markets, from raw chemical supply to consumer-ready supplements and beauty products. The different manufacturing processes and applications of glutathione make it a highly valuable component in pharmaceuticals, nutraceuticals, and cosmetics.

According to APO Research, The global Glutathione market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

North American market for Glutathione is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Glutathione is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Glutathione is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Glutathione include Shandong Jincheng Biological Pharmaceutical, Kyowa Hakko Bio, Kaiping Genuine Biochemical Pharmaceutical, KOHJIN Life Sciences, Gnosis SpA, GSH Bio-Tech and Zhejiang Hisun, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Glutathione, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Glutathione.

The Glutathione market size, estimations, and forecasts are provided in terms of sales volume (Tons) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Glutathione market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Shandong Jincheng Biological Pharmaceutical

Kyowa Hakko Bio

Kaiping Genuine Biochemical Pharmaceutical

KOHJIN Life Sciences

Gnosis SpA

GSH Bio-Tech

Zhejiang Hisun

Glutathione segment by Type

Oxidized Glutathione (GSSG)

Reduced Glutathione (GSH)

Glutathione segment by Application

Pharmaceuticals

Health Products

Cosmetics

Food

Others

Glutathione Segment by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Netherlands

Nordic Countries

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Southeast Asia

Latin America

Mexico

Brazil

Argentina

Colombia

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the

readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Glutathione market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Glutathione and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Glutathione.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin

America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of Glutathione manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Glutathione in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Glutathione Market Size Estimates and Forecasts (2019-2030)
 - 1.2.2 Global Glutathione Sales Estimates and Forecasts (2019-2030)
- 1.3 Glutathione Market by Type
 - 1.3.1 Oxidized Glutathione (GSSG)
 - 1.3.2 Reduced Glutathione (GSH)
- 1.4 Global Glutathione Market Size by Type
 - 1.4.1 Global Glutathione Market Size Overview by Type (2019-2030)
 - 1.4.2 Global Glutathione Historic Market Size Review by Type (2019-2024)
 - 1.4.3 Global Glutathione Forecasted Market Size by Type (2025-2030)
- 1.5 Key Regions Market Size by Type
 - 1.5.1 North America Glutathione Sales Breakdown by Type (2019-2024)
 - 1.5.2 Europe Glutathione Sales Breakdown by Type (2019-2024)
 - 1.5.3 Asia-Pacific Glutathione Sales Breakdown by Type (2019-2024)
 - 1.5.4 Latin America Glutathione Sales Breakdown by Type (2019-2024)
 - 1.5.5 Middle East and Africa Glutathione Sales Breakdown by Type (2019-2024)

2 GLOBAL MARKET DYNAMICS

- 2.1 Glutathione Industry Trends
- 2.2 Glutathione Industry Drivers
- 2.3 Glutathione Industry Opportunities and Challenges
- 2.4 Glutathione Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Top Players by Glutathione Revenue (2019-2024)
- 3.2 Global Top Players by Glutathione Sales (2019-2024)
- 3.3 Global Top Players by Glutathione Price (2019-2024)
- 3.4 Global Glutathione Industry Company Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Glutathione Key Company Manufacturing Sites & Headquarters
- 3.6 Global Glutathione Company, Product Type & Application
- 3.7 Global Glutathione Company Commercialization Time
- 3.8 Market Competitive Analysis

- 3.8.1 Global Glutathione Market CR5 and HHI
- 3.8.2 Global Top 5 and 10 Glutathione Players Market Share by Revenue in 2023
- 3.8.3 2023 Glutathione Tier 1, Tier 2, and Tier

4 GLUTATHIONE REGIONAL STATUS AND OUTLOOK

- 4.1 Global Glutathione Market Size and CAGR by Region: 2019 VS 2023 VS 2030
- 4.2 Global Glutathione Historic Market Size by Region
 - 4.2.1 Global Glutathione Sales in Volume by Region (2019-2024)
 - 4.2.2 Global Glutathione Sales in Value by Region (2019-2024)
 - 4.2.3 Global Glutathione Sales (Volume & Value), Price and Gross Margin (2019-2024)
- 4.3 Global Glutathione Forecasted Market Size by Region
 - 4.3.1 Global Glutathione Sales in Volume by Region (2025-2030)
 - 4.3.2 Global Glutathione Sales in Value by Region (2025-2030)
 - 4.3.3 Global Glutathione Sales (Volume & Value), Price and Gross Margin (2025-2030)

5 GLUTATHIONE BY APPLICATION

- 5.1 Glutathione Market by Application
 - 5.1.1 Pharmaceuticals
 - 5.1.2 Health Products
 - 5.1.3 Cosmetics
 - 5.1.4 Food
 - 5.1.5 Others
- 5.2 Global Glutathione Market Size by Application
 - 5.2.1 Global Glutathione Market Size Overview by Application (2019-2030)
 - 5.2.2 Global Glutathione Historic Market Size Review by Application (2019-2024)
 - 5.2.3 Global Glutathione Forecasted Market Size by Application (2025-2030)
- 5.3 Key Regions Market Size by Application
 - 5.3.1 North America Glutathione Sales Breakdown by Application (2019-2024)
 - 5.3.2 Europe Glutathione Sales Breakdown by Application (2019-2024)
 - 5.3.3 Asia-Pacific Glutathione Sales Breakdown by Application (2019-2024)
 - 5.3.4 Latin America Glutathione Sales Breakdown by Application (2019-2024)
 - 5.3.5 Middle East and Africa Glutathione Sales Breakdown by Application (2019-2024)

6 COMPANY PROFILES

6.1 Shandong Jincheng Biological Pharmaceutical

6.1.1 Shandong Jincheng Biological Pharmaceutical Company Information

6.1.2 Shandong Jincheng Biological Pharmaceutical Business Overview

6.1.3 Shandong Jincheng Biological Pharmaceutical Glutathione Sales, Revenue and Gross Margin (2019-2024)

6.1.4 Shandong Jincheng Biological Pharmaceutical Glutathione Product Portfolio

6.1.5 Shandong Jincheng Biological Pharmaceutical Recent Developments

6.2 Kyowa Hakko Bio

6.2.1 Kyowa Hakko Bio Company Information

6.2.2 Kyowa Hakko Bio Business Overview

6.2.3 Kyowa Hakko Bio Glutathione Sales, Revenue and Gross Margin (2019-2024)

6.2.4 Kyowa Hakko Bio Glutathione Product Portfolio

6.2.5 Kyowa Hakko Bio Recent Developments

6.3 Kaiping Genuine Biochemical Pharmaceutical

6.3.1 Kaiping Genuine Biochemical Pharmaceutical Company Information

6.3.2 Kaiping Genuine Biochemical Pharmaceutical Business Overview

6.3.3 Kaiping Genuine Biochemical Pharmaceutical Glutathione Sales, Revenue and Gross Margin (2019-2024)

6.3.4 Kaiping Genuine Biochemical Pharmaceutical Glutathione Product Portfolio

6.3.5 Kaiping Genuine Biochemical Pharmaceutical Recent Developments

6.4 KOHJIN Life Sciences

6.4.1 KOHJIN Life Sciences Company Information

6.4.2 KOHJIN Life Sciences Business Overview

6.4.3 KOHJIN Life Sciences Glutathione Sales, Revenue and Gross Margin (2019-2024)

6.4.4 KOHJIN Life Sciences Glutathione Product Portfolio

6.4.5 KOHJIN Life Sciences Recent Developments

6.5 Gnosis SpA

6.5.1 Gnosis SpA Company Information

6.5.2 Gnosis SpA Business Overview

6.5.3 Gnosis SpA Glutathione Sales, Revenue and Gross Margin (2019-2024)

6.5.4 Gnosis SpA Glutathione Product Portfolio

6.5.5 Gnosis SpA Recent Developments

6.6 GSH Bio-Tech

6.6.1 GSH Bio-Tech Company Information

6.6.2 GSH Bio-Tech Business Overview

6.6.3 GSH Bio-Tech Glutathione Sales, Revenue and Gross Margin (2019-2024)

6.6.4 GSH Bio-Tech Glutathione Product Portfolio

6.6.5 GSH Bio-Tech Recent Developments

6.7 Zhejiang Hisun

6.7.1 Zhejiang Hisun Company Information

6.7.2 Zhejiang Hisun Business Overview

6.7.3 Zhejiang Hisun Glutathione Sales, Revenue and Gross Margin (2019-2024)

6.7.4 Zhejiang Hisun Glutathione Product Portfolio

6.7.5 Zhejiang Hisun Recent Developments

7 NORTH AMERICA BY COUNTRY

7.1 North America Glutathione Sales by Country

7.1.1 North America Glutathione Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.1.2 North America Glutathione Sales by Country (2019-2024)

7.1.3 North America Glutathione Sales Forecast by Country (2025-2030)

7.2 North America Glutathione Market Size by Country

7.2.1 North America Glutathione Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.2.2 North America Glutathione Market Size by Country (2019-2024)

7.2.3 North America Glutathione Market Size Forecast by Country (2025-2030)

8 EUROPE BY COUNTRY

8.1 Europe Glutathione Sales by Country

8.1.1 Europe Glutathione Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.1.2 Europe Glutathione Sales by Country (2019-2024)

8.1.3 Europe Glutathione Sales Forecast by Country (2025-2030)

8.2 Europe Glutathione Market Size by Country

8.2.1 Europe Glutathione Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.2.2 Europe Glutathione Market Size by Country (2019-2024)

8.2.3 Europe Glutathione Market Size Forecast by Country (2025-2030)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific Glutathione Sales by Country

9.1.1 Asia-Pacific Glutathione Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.1.2 Asia-Pacific Glutathione Sales by Country (2019-2024)

9.1.3 Asia-Pacific Glutathione Sales Forecast by Country (2025-2030)

9.2 Asia-Pacific Glutathione Market Size by Country

9.2.1 Asia-Pacific Glutathione Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific Glutathione Market Size by Country (2019-2024)

9.2.3 Asia-Pacific Glutathione Market Size Forecast by Country (2025-2030)

10 LATIN AMERICA BY COUNTRY

10.1 Latin America Glutathione Sales by Country

10.1.1 Latin America Glutathione Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America Glutathione Sales by Country (2019-2024)

10.1.3 Latin America Glutathione Sales Forecast by Country (2025-2030)

10.2 Latin America Glutathione Market Size by Country

10.2.1 Latin America Glutathione Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America Glutathione Market Size by Country (2019-2024)

10.2.3 Latin America Glutathione Market Size Forecast by Country (2025-2030)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa Glutathione Sales by Country

11.1.1 Middle East and Africa Glutathione Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa Glutathione Sales by Country (2019-2024)

11.1.3 Middle East and Africa Glutathione Sales Forecast by Country (2025-2030)

11.2 Middle East and Africa Glutathione Market Size by Country

11.2.1 Middle East and Africa Glutathione Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa Glutathione Market Size by Country (2019-2024)

11.2.3 Middle East and Africa Glutathione Market Size Forecast by Country (2025-2030)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

12.1 Glutathione Value Chain Analysis

12.1.1 Glutathione Key Raw Materials

12.1.2 Key Raw Materials Price

- 12.1.3 Raw Materials Key Suppliers
- 12.1.4 Manufacturing Cost Structure
- 12.1.5 Glutathione Production Mode & Process
- 12.2 Glutathione Sales Channels Analysis
 - 12.2.1 Direct Comparison with Distribution Share
 - 12.2.2 Glutathione Distributors
 - 12.2.3 Glutathione Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

- 14.1 Reasons for Doing This Study
- 14.2 Research Methodology
- 14.3 Research Process
- 14.4 Authors List of This Report
- 14.5 Data Source
 - 14.5.1 Secondary Sources
 - 14.5.2 Primary Sources
- 14.6 Disclaimer

I would like to order

Product name: Global Glutathione Industry Growth and Trends Forecast to 2030

Product link: <https://marketpublishers.com/r/GCB43BBB1C8AEN.html>

Price: US\$ 3,450.00 (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/GCB43BBB1C8AEN.html>