

Glucaric Acid Market Report by Product (Pure Glucaric Acid, Calcium D-glucarate, Potassium Sodium D-glucarate, D-glucaric Acid-1,4-lactone, and Others), Application (Food Ingredients, Detergents, Corrosion Inhibitors, De-icing Applications, and Others), and Region 2024-2032

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Abstracts

The global glucaric acid market size reached US\$ 1,028.1 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,836.8 Million by 2032, exhibiting a growth rate (CAGR) of 6.5% during 2024-2032. The increasing promotion of sustainable products, rising use of laundry detergents, and the growing sales of personal care and cosmetic products represent some of the key factors driving the market.

Glucaric acid (C₆H₁₀O₈), also known as polyhydroxy dicarboxylic acid or saccharic acid, is a naturally occurring compound found in various fruits or vegetables, such as oranges, apples, grapes, broccoli, and cabbage. It is also produced by the human body as a metabolite. It aids in improving liver health by eliminating toxic substances from the liver and reducing oxidative stress. It also helps protect against liver damage caused by alcohol consumption and other harmful substances. Its consumption can inhibit the production of beta glucuronidase in the body and minimize the risks of developing cancer. It is used in the manufacturing of bio based chemicals and other derivatives, such as potassium glucarate, sodium glucarate, calcium D-glucarate, and D-glucaric acid lactone.

Glucaric Acid Market Trends:

Due to increasing environmental concerns among the masses, governing agencies of numerous countries are undertaking measures to promote the use of sustainable products. This represents one of the major factors driving the demand for C₆H₁₀O₈ around the world. Moreover, the rising use of C₆H₁₀O₈ in cleaning products, such as laundry detergents and dishwashing detergents, on account of its ability to remove hard water stains and prevent buildup, is favoring the growth of the market. In addition, there is an increase in the use of C₆H₁₀O₈ in the production of personal care and cosmetic products, such as shampoo, conditioner, facial cleanser, toners, moisturizers, sunscreen, foundations, powder, face wash, body wash, and scrubs. It also acts as a chelating agent, which helps remove impurities and improve the skin texture. This, coupled with the growing demand for premium quality personal care and cosmetic products on account of the rising physical consciousness among individuals, is influencing the market positively. Apart from this, there is an increase in the utilization of C₆H₁₀O₈ as a food additive and flavoring agent for the preparation of various food products and beverages, including fruit juices, protein bars and powders, and sports drinks. This, along with the thriving food and beverage (F&B) industry, is propelling the growth of the market. Furthermore, the growing usage of C₆H₁₀O₈ in the agricultural industry as a plant growth promoter and fertilizer is creating a favorable outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global glucaric acid market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product and application.

Product Insights:

Pure Glucaric Acid

Calcium D-glucarate

Potassium Sodium D-glucarate

D-glucaric Acid-1,4-lactone

Others

The report has provided a detailed breakup and analysis of the glucaric acid market based on the product. This includes pure glucaric acid, calcium D-glucarate, potassium sodium D-glucarate, D-glucaric acid-1,4-lactone, and others. According to the report, pure glucaric acid represented the largest segment.

Application Insights:

Food Ingredients

Detergents

Corrosion Inhibitors

De-icing Applications

Others

A detailed breakup and analysis of the glucaric acid market based on the application has also been provided in the report. This includes food ingredients, detergents, corrosion inhibitors, de-icing applications, and others. According to the report, detergents accounted for the largest market share.

Regional Insights:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil,

Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others) was the largest market for glucaric acid. Some of the factors driving the Asia Pacific glucaric acid market included rising environmental concerns, government initiatives, product innovations, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global glucaric acid market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include AK Scientific Inc., Alfa Chemistry, Carbosynth Ltd, Cayman Chemical Company, CHEMOS GmbH & Co. KG, Kalion Inc., Merck KGaA, The Archer-Daniels-Midland Company., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global glucaric acid market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global glucaric acid market?

What is the impact of each driver, restraint, and opportunity on the global glucaric acid market?

What are the key regional markets?

Which countries represent the most attractive glucaric acid market?

What is the breakup of the market based on the product?

Which is the most attractive product in the glucaric acid market?

What is the breakup of the market based on the application?

Which is the most attractive application in the glucaric acid market?

What is the competitive structure of the global glucaric acid market?

Who are the key players/companies in the global glucaric acid market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL GLUCARIC ACID MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT

- 6.1 Pure Glucaric Acid
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Calcium D-glucarate
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Potassium Sodium D-glucarate

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 D-glucaric Acid-1,4-lactone
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Food Ingredients
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Detergents
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Corrosion Inhibitors
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 De-icing Applications
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends

- 8.2.1.2 Market Forecast
- 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
- 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others

8.3.7.1 Market Trends

8.3.7.2 Market Forecast

8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 SWOT ANALYSIS

9.1 Overview

9.2 Strengths

9.3 Weaknesses

9.4 Opportunities

9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

- 13.1 Market Structure
- 13.2 Key Players
- 13.3 Profiles of Key Players
 - 13.3.1 AK Scientific Inc.
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
 - 13.3.2 Alfa Chemistry
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
 - 13.3.3 Carbosynth Ltd
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.4 Cayman Chemical Company
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.5 CHEMOS GmbH & Co. KG
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
 - 13.3.6 Kalion Inc.
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
 - 13.3.7 Merck KGaA
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.7.3 Financials
 - 13.3.8 The Archer-Daniels-Midland Company
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Glucaric Acid Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Glucaric Acid Market Forecast: Breakup by Product (in Million US\$), 2024-2032

Table 3: Global: Glucaric Acid Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 4: Global: Glucaric Acid Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: Glucaric Acid Market: Competitive Structure

Table 6: Global: Glucaric Acid Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Glucaric Acid Market: Major Drivers and Challenges

Figure 2: Global: Glucaric Acid Market: Sales Value (in Million US\$), 2018-2023

Figure 3: Global: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 4: Global: Glucaric Acid Market: Breakup by Product (in %), 2023

Figure 5: Global: Glucaric Acid Market: Breakup by Application (in %), 2023

Figure 6: Global: Glucaric Acid Market: Breakup by Region (in %), 2023

Figure 7: Global: Glucaric Acid (Pure Glucaric Acid) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Glucaric Acid (Pure Glucaric Acid) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Glucaric Acid (Calcium D-glucarate) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Glucaric Acid (Calcium D-glucarate) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Glucaric Acid (Potassium Sodium D-glucarate) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Glucaric Acid (Potassium Sodium D-glucarate) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Glucaric Acid (D-glucaric Acid-1,4-lactone) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Glucaric Acid (D-glucaric Acid-1,4-lactone) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Glucaric Acid (Other Products) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Glucaric Acid (Other Products) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Glucaric Acid (Food Ingredients) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Glucaric Acid (Food Ingredients) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Glucaric Acid (Detergents) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Glucaric Acid (Detergents) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Glucaric Acid (Corrosion Inhibitors) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Glucaric Acid (Corrosion Inhibitors) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Glucaric Acid (De-icing Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Glucaric Acid (De-icing Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Glucaric Acid (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Glucaric Acid (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: North America: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: North America: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: United States: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: United States: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Canada: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Canada: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Asia-Pacific: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Asia-Pacific: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: China: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: China: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Japan: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Japan: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: India: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: India: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: South Korea: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: South Korea: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Australia: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Australia: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Indonesia: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Indonesia: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Others: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Others: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Europe: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Europe: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Germany: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Germany: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: France: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: France: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: United Kingdom: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: United Kingdom: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Italy: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Italy: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Spain: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Spain: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Russia: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Russia: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Others: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Others: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Latin America: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Latin America: Glucaric Acid Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Brazil: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Brazil: Glucaric Acid Market Forecast: Sales Value (in Million US\$),

2024-2032

Figure 69: Mexico: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Mexico: Glucaric Acid Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 71: Others: Glucaric Acid Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Others: Glucaric Acid Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 73: Middle East and Africa: Glucaric Acid Market: Sales Value (in Million US\$),
2018 & 2023

Figure 74: Middle East and Africa: Glucaric Acid Market: Breakup by Country (in %),
2023

Figure 75: Middle East and Africa: Glucaric Acid Market Forecast: Sales Value (in
Million US\$), 2024-2032

Figure 76: Global: Glucaric Acid Industry: SWOT Analysis

Figure 77: Global: Glucaric Acid Industry: Value Chain Analysis

Figure 78: Global: Glucaric Acid Industry: Porter's Five Forces Analysis

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