

## **Glucaric Acid Market Report and Forecast 2025-2034**

Market Report | 2025-08-11 | 163 pages | EMR Inc.

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### **Report description:**

The global glucaric acid market attained a value of about USD 1.20 Billion in 2024. The market is further expected to grow at a CAGR of 10.00% during the forecast period of 2025-2034 to reach nearly USD 3.11 Billion by 2034.

Rising Demand for Environment-Friendly Cleaning Agents is Bolstering the Market Growth of Glucaric Acid

The market for glucaric acid is being driven by the rising demand for the product in the application of detergents so as to curb the presence of magnesium and calcium in hard water, thereby preventing its accumulation. In addition, glucaric acid is widely used as an alternative to phosphate in cleaning agents, owing to the rising awareness regarding the presence of toxins and potential threats of non-biodegradable chemicals in phosphate-based cleaning agents. This has accelerated the market growth for glucaric acid as people are gradually shifting towards the use of biodegradable products. Growing and varied use of glucaric acid as a cleaning agent in liquid laundry detergents, dishwasher detergents, and household cleaning is augmenting the market growth. Furthermore, since glucaric acid is derived from oxidised sugar, it is considered an environment-friendly, renewable, and sustainable material, owing to which the market demand for glucaric acid is robustly driving the market growth. Moreover, as glucaric acid is produced through a single-step process, the large-scale and cost-effective production of glucaric acid is significantly driving the market growth.

### **Glucaric Acid: Market Segmentation**

Glucaric acid is a chemical compound formed by the resulting chemical reaction between nitric acid and sugar oxidation. It has been claimed by the United States Department of Energy (DOE) as a leading chemical product. As it is produced from oxidised sugar, glucaric acid is used as a green agent in various applications, including food ingredients and for industrial use.

### **Market Breakup by Product**

- Pure Glucaric Acid

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- Calcium D-glucarate
- Potassium Sodium D-glucarate
- D-glucaric Acid-1,4-lactone
- Others

#### Market Breakup by Application

- Food Ingredients
- Detergents
- Corrosion Inhibitors
- De-icing Chemicals
- Others

#### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Growing Awareness Regarding the Health Benefits of Glucaric Acid to Provide Impetus to the Market

The market growth of glucaric acid can be attributed to the health benefits associated with its consumption. The growing use of glucaric acid in food ingredients as a health supplement to optimise the levels of vitamins and minerals in the body, along with improving body metabolism, is propelling the industry growth. Further, the calcium D-glucarate is a salt made from calcium and glucaric acid and is naturally found in small amounts in mammals and fruits like apples, oranges, and grapefruit. The consumption of calcium D-glucarate helps in the detoxification of cancer-causing agents, toxins, and steroid hormones from the body, owing to which it is widely being used as a medicinal product to mitigate the potential chances of cancer. Therefore, the rising use of calcium D-glucarate is consequently aiding the market for glucaric acid. Furthermore, with research and development (R&D) activities in the healthcare sector, owing to technological advancement and government investments, the market is anticipated to witness growth in the coming years.

#### Key Industry Players in the Global Glucaric Acid Market

The report presents a detailed analysis of the following key players in the global glucaric acid market, looking into their capacity, market share, and latest developments like capacity expansions, plant turnabouts and mergers and acquisitions.

- The Archer-Daniels-Midland Company
- Kalion, Inc.
- Chemos GmbH & CokG
- Cayman Chemical
- Others

The comprehensive report looks at the micro and macro aspects of the industry. The EMR report gives an in-depth insight into the market by providing a SWOT analysis as well as an analysis of the Porter's Five Forces Model.

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