

**Guanylic Acid Market By Salt Type (Disodium guanylate, Dipotassium guanylate, Calcium guanylate), By Application (Flavoring agent, Taste enhancer, Others), By End Use Industry (Cosmetics, Food and Beverage, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031**

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**Report description:**

The guanylic acid market attained \$1.4 billion in 2021, and is projected to reach \$2.4 billion by 2031, growing at a CAGR of 5.3% from 2022 to 2031.

Guanylic acid is a guanine nucleotide, also known as guanosine monophosphate (GMP). Guanylic acid consists of the pentose ribose sugar, a phosphate group and a guanine nucleobase, and is widely present in nature. Guanylic acid is produced in greater quantities by enzymatic reaction as an enzyme source. Fermentation products including microbial cells and fermentation alcohol are then converted to 5?-xanthylic acid and then to guanylic acid.

Guanylic acid is useful in flavoring agents and can also be prepared by breaking down ribonucleic acid. Guanylic acid in its salt form, including calcium guanylate, disodium guanylate, dipotassium guanylate, are food additives used as flavor enhancers to impart umami taste and are widely distributed as an RNA molecule in the body. Guanylic acid is an expensive additive and is not usually used independently of MSG, which also imparts an umami taste. Guanylic acid is produced from fish and yeast. Therefore, it is not suitable for vegetarians and vegans. Disodium guanylate is widely present in chips and snacks, instant noodles, salted rice, cold cuts, canned vegetables, and packaged soups.

The main driving factors of the guanylic acid market are the growing demand for the processed food industry, dairy and non-dairy products, and increasing consumer health awareness. Macroeconomic factors driving the guanylic acid market include, rapid urbanization, increasing disposable income, emerging economies, and changing lifestyles. ?Another major driving factors of the global guanylic acid market are mergers and acquisition among the Guanylic acid market players and high investment in the food & beverages industry.

Market participants operating in the guanylic acid market can capture a high market share by conducting future mergers and

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integrations with domestic companies. The main limiting factor of the guanylic acid market is the side effect, such as increased asthma problems. People with asthma and gout should avoid consuming guanylic acid, because purines are dangerous for those with asthma and gout, and guanylates are converted into purines. Nevertheless, the average levels of guanylic acid in food are far too low to cause harmful effects. In addition, the expanding pharmaceutical and cosmetic industries are to provide lucrative opportunities for the guanylic acid market. Due to the high demand for guanylic acid as an additive in the food and beverage industry, Japan and South Korea are anticipated to experience high growth rates in the global guanylic acid market.

The guanylic acid market is segmented into salt type, application, end-use industry, and region. Depending on salt type, the market is bifurcated into disodium guanylate, dipotassium guanylate, and calcium guanylate. On the basis of application, it is categorized into flavoring agent, taste enhancer, and others. On the basis of end-use industry, it is categorized into cosmetics, food & beverage, and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

The major players operating in the global guanylic acid market include, AFINE CHEMICALS LIMITED, AHH Chemical Co., Ltd., AK Scientific Inc., Alichem Inc., Anhui BBCA Pharmaceutical Co., Ltd., BOC Sciences, Chemspace, Conier Chem & Pharma Limited, DAYANG CHEM (HANGZHOU) CO., LTD., Hubei ipure Biotech Co., Ltd., Hunan Huateng Pharmaceutical Co., Ltd., Jinan Shangbo biotech Co, Ltd., Merck KGaA, Phenomenex Inc., and Zhejiang Chengyi Pharmaceutical Co. Ltd. Other players operating in the market are YAMASA CORPORATION, Zhejiang, Qucheng Chemical Co., Ltd.

#### Japan and South Korea Overview

In the Asia-Pacific area, demand for guanylic acid products is rising in Japan due to the country's strong need for savory flavors, followed by South Korea, which has the highest demand in the food and beverage flavor enhancer industry.

Japan and South Korea are anticipated to see a high growth rate in the global guanylic acid market due to the high demand for guanylic acid as additives in the food and beverage industry.

Changing consumption patterns, rapid urbanization, growing population, substantial economic development, and rising per capita income are the primary factors influencing the market's expansion.

#### IMPACT OF COVID-19 ON THE GLOBAL GUANYLIC ACID MARKET

-COVID-19 has spread across the globe and effected almost all aspects of life.

-As a result of the COVID-19 pandemic, the guanylic acid market was negatively impacted.

-During the COVID-19 pandemic, pharmaceutical, cosmetic, food and beverage, and other sectors were shut down. This decreased the demand for guanylic acid, which affected the guanylic acid market.

-The COVID-19 pandemic resulted in the implementation of lockdown, which restricted the production of guanylic acid and disrupted the global supply chain, resulting in a decline in market demand for guanylic acid.

-However, after the pandemic, as the supply chains return to normal after the restrictions were lifted, market participants in this market have explored for measures to minimize the pandemic's impact on their business.

#### Key Benefits For Stakeholders

-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the guanylic acid market analysis from 2021 to 2031 to identify the prevailing guanylic acid market opportunities.

-The market research is offered along with information related to key drivers, restraints, and opportunities.

-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

-In-depth analysis of the guanylic acid market segmentation assists to determine the prevailing market opportunities.

-Major countries in each region are mapped according to their revenue contribution to the global market.

-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

-The report includes the analysis of the regional as well as global guanylic acid market trends, key players, market segments, application areas, and market growth strategies.

#### Key Market Segments

##### By Salt Type

- Disodium guanylate

- Dipotassium guanylate

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- Calcium guanylate

By Application

- Flavoring agent

- Taste enhancer

- Others

By End Use Industry

- Cosmetics

- Food and Beverage

- Others

By Region

- North America

- U.S.

- Canada

- Mexico

- Europe

- Germany

- France

- UK

- Spain

- Italy

- Rest Of Europe

- Asia-Pacific

- China

- Japan

- India

- South Korea

- Australia

- Rest Of Asia-Pacific

- LAMEA

- Brazil

- Saudi Arabia

- South Africa

- Rest Of LAMEA

- Key Market Players

- AFINE CHEMICALS LIMITED

- AHH Chemical Co., Ltd

- AK Scientific Inc.

- Alichem Inc

- Anhui BBKA Pharmaceutical Co.

- BOC Sciences

- Chemspace

- Conier Chem & Pharma Limited

- DAYANG CHEM (HANGZHOU) CO., LTD

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- Phenomenex Inc
- Zhejiang Chengyi Pharmaceutical Co. Ltd.

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