

# **Food Grade Carbon Dioxide Market Size, Trends, Analysis, and Outlook By Source (Dairy & Frozen Products, Beverages, Meat, Poultry, Others), By Application (Freezing & Chilling, Packaging, Carbonation), by Country, Segment, and Companies, 2024-2032**

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## **Abstracts**

Global Food Grade Carbon Dioxide Market Size is valued at \$1.4 Billion in 2024 and is forecast to register a growth rate (CAGR) of 5.6% to reach \$2.2 Billion by 2032.

The food grade carbon dioxide market is set to expand as the demand for carbonated beverages and food preservation technologies continues to rise. The increasing preference for healthier and naturally carbonated drinks drives demand for food grade CO<sub>2</sub> as a key ingredient in the carbonation process. Additionally, carbon dioxide's role in Modified Atmosphere Packaging (MAP) systems enhances its significance in food preservation, helping to extend shelf life and maintain product quality. With the growing trend towards sustainability, manufacturers are also exploring innovative ways to capture and utilize CO<sub>2</sub>, thus reducing waste and enhancing the environmental profile of carbonated products.

Food Grade Carbon Dioxide Market Drivers, Trends, Opportunities, and Growth Opportunities

The comprehensive report presents unique market trends and challenges shaping the outlook for industry stakeholders. The Future of Food Grade Carbon Dioxide survey report provides the market size outlook across types, applications, and segments globally and regionally. It also offers data-driven insights and actionable

recommendations for companies in the Food Grade Carbon Dioxide industry.

Key market trends defining the global Food Grade Carbon Dioxide demand in 2025 and Beyond

The Food Grade Carbon Dioxide industry remains an attractive hub for both domestic and global vendors. As we enter 2025, demand from end-user sectors, changes in consumption patterns, new product launches, and widening distribution channels will play major roles.

Food Grade Carbon Dioxide Market Segmentation- Industry Share, Market Size, and Outlook to 2032

Rising demand for diverse products and applications fuels the increased investments in niche segments. Leading companies focus on generating a large share of their future revenue growth by expanding into these niche segments. The report presents a market size outlook across segments, supporting companies scaling up production with a focus on potential countries.

Key strategies adopted by companies within the Food Grade Carbon Dioxide industry

Leading Food Grade Carbon Dioxide companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions. In particular, companies that leverage advanced technologies to achieve operational excellence are set to gain significant revenues. The report details the key strategies adopted by the top 10 Food Grade Carbon Dioxide companies.

Food Grade Carbon Dioxide Market Study- Strategic Analysis Review

The market research report dives deep into qualitative factors shaping the market, empowering you to make informed decisions.

- Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.
- Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

- Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.
- Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

### Food Grade Carbon Dioxide Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Food Grade Carbon Dioxide industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. With actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three scenarios: low case, reference case, and high case.

### Food Grade Carbon Dioxide Country Analysis and Revenue Outlook to 2032

The report analyzes 22 countries worldwide, including key driving forces and market size outlook from 2021 to 2032. Additionally, it includes region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America. For each region, the market size outlook by segments is forecast for 2032.

### North America Food Grade Carbon Dioxide Market Size Outlook- Companies plan for focused investments in a changing environment

The US remains the market leader in North America, driven by a large consumer base, well-established providers, and strong infrastructure. Leading companies focus on new product launches in a changing environment. The US GDP is expected to grow from \$28,781.1 Billion in 2024 to \$36,621 Billion in 2030, driving demand for various Food Grade Carbon Dioxide market segments. Similarly, strong market demand encourages Canadian Food Grade Carbon Dioxide companies to invest in niche segments. Mexico's investment in technological advancements positions it for significant market expansion.

### Europe Food Grade Carbon Dioxide Market Size Outlook- Companies investing in assessing consumers, categories, competitors, and capabilities.

The German Food Grade Carbon Dioxide industry remains the major market for companies in the European Food Grade Carbon Dioxide industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady

demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European Food Grade Carbon Dioxide market fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and addressing niche consumer segments.

**Asia Pacific Food Grade Carbon Dioxide Market Size Outlook-** an attractive hub for opportunities for both local and global companies

The increasing pool of consumer base, robust consumption expenditure, and increasing investments in manufacturing drive the demand for Food Grade Carbon Dioxide in Asia Pacific. In particular, China, India, and South East Asian Food Grade Carbon Dioxide markets present a compelling outlook for 2032, attracting both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate market changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

**Latin America Food Grade Carbon Dioxide Market Size Outlook-** Continued urbanization and rising income levels

Rising income levels contribute to higher purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

**Middle East and Africa Food Grade Carbon Dioxide Market Size Outlook-** continues its upward trajectory across segments.

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Food Grade Carbon Dioxide market potential. Fuelled by increasing consumption expenditure of individuals and growing population drive the demand for Food Grade Carbon Dioxide.

**Food Grade Carbon Dioxide Company Profiles**

The global Food Grade Carbon Dioxide market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. The leading companies included in the study are Air Liquid, Air Products and Chemicals, Airgas, Continental Carbonic Products, India Glycols, Linde, Matheson Tri-Gas, Messer Group, SOL Group, Taiyo Nippon Sanso.

### Recent Food Grade Carbon Dioxide Market Developments

The global Food Grade Carbon Dioxide market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

### Food Grade Carbon Dioxide Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

### Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

## Market Segmentation:

### By Source

Dairy & Frozen Products

Beverages

Meat

Poultry

Others

### By Application

Freezing & Chilling

Packaging

Carbonation

## Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

Air Liquid

Air Products and Chemicals

Airgas

Continental Carbonic Products

India Glycols

Linde

Matheson Tri-Gas

Messer Group

SOL Group

Taiyo Nippon Sanso

Formats Available: Excel, PDF, and PPT

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