

# Global Food Grade Calcium Carbonate Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Food Grade Calcium Carbonate market size is expected to reach \$ 2391 million by 2032, rising at a market growth of 2.5% CAGR during the forecast period (2026-2032).

In 2025, global food grade calcium carbonate production capacity is approximately 8.5 million tons, with actual output around 5.4 million tons. The average market price is about US\$350 per ton, depending on purity, particle size distribution, and application requirements. Industry gross margins generally range between 15% and 25%, influenced by raw material quality, energy costs, and downstream demand structure. Food grade calcium carbonate is a high-purity inorganic compound used as a food additive, nutritional fortifier, acidity regulator, and anti-caking agent. It is typically produced from high-quality limestone or via precipitation methods to ensure compliance with food safety standards such as heavy metal limits and microbiological requirements. Compared with industrial-grade calcium carbonate, food-grade products require stricter impurity control, finer particle size uniformity, and certified production environments (e.g., GMP-compliant facilities).

Upstream mainly includes high-purity limestone mining, carbon dioxide supply, and chemical processing materials. Midstream consists of grinding, classification, precipitation synthesis (for PCC), drying, sterilization, and packaging processes. Downstream applications include dairy products, beverages, bakery goods, nutritional supplements, pharmaceuticals, and dietary fortification products. The market is moderately fragmented, with regional producers supplying local food manufacturers due to regulatory and logistics considerations.

The food grade calcium carbonate market is primarily driven by growing demand for

dietary calcium supplementation and food fortification. Increasing awareness of bone health, aging populations, and rising consumption of fortified beverages and dairy alternatives support stable demand growth. Emerging economies are experiencing higher adoption of nutritional fortification programs, further expanding consumption. Meanwhile, regulatory tightening on food additives enhances entry barriers, favoring established manufacturers with certified production systems. However, raw material price volatility and energy costs can affect profitability, as calcium carbonate production is energy-intensive in grinding and drying stages. In mature markets, differentiation increasingly focuses on ultra-fine particle size control, high bioavailability, and customized blending solutions for functional foods. Overall, the industry demonstrates steady but moderate growth, supported by long-term health and nutrition trends rather than cyclical industrial demand.

This report studies the global Food Grade Calcium Carbonate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Food Grade Calcium Carbonate and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Food Grade Calcium Carbonate that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Food Grade Calcium Carbonate total production and demand, 2021-2032, (Kiloton)

Global Food Grade Calcium Carbonate total production value, 2021-2032, (USD Million)

Global Food Grade Calcium Carbonate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kiloton), (based on production site)

Global Food Grade Calcium Carbonate consumption by region & country, CAGR, 2021-2032 & (Kiloton)

U.S. VS China: Food Grade Calcium Carbonate domestic production, consumption, key domestic manufacturers and share

Global Food Grade Calcium Carbonate production by manufacturer, production, price,

value and market share 2021-2026, (USD Million) & (Kiloton)

Global Food Grade Calcium Carbonate production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kiloton)

Global Food Grade Calcium Carbonate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kiloton)

This report profiles key players in the global Food Grade Calcium Carbonate market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Duda Energy, Huber, PanReac(ITW Reagents), ICL, Nutricost, Omya, Minerals Technologies, KunalCalcium, Calspar India, Diacleanshop, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Food Grade Calcium Carbonate market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kiloton) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Food Grade Calcium Carbonate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Food Grade Calcium Carbonate Market, Segmentation by Type:

Calcium Carbonate Powder

Calcium Carbonate Granules

Global Food Grade Calcium Carbonate Market, Segmentation by Production Process:

Ground Calcium Carbonate (GCC)

Precipitated Calcium Carbonate (PCC)

Global Food Grade Calcium Carbonate Market, Segmentation by Particle Size:

Micron Grade

Nano Grade

Global Food Grade Calcium Carbonate Market, Segmentation by Application:

Dairy Products

Beverages

Bakery Products

Dietary Supplements

Infant Food

Others

Companies Profiled:

Duda Energy

Huber

PanReac(ITW Reagents)

ICL

Nutricost

Omya

Minerals Technologies

KunalCalcium

Calspar India

Diacleanshop

Myworldhut

LimeChemicals

Nitto Funka

Shiraishi

QiangDa

Yixin New Material

Shcaco3

TianShiNet

**Key Questions Answered:**

1. How big is the global Food Grade Calcium Carbonate market?
2. What is the demand of the global Food Grade Calcium Carbonate market?
3. What is the year over year growth of the global Food Grade Calcium Carbonate market?
4. What is the production and production value of the global Food Grade Calcium Carbonate market?
5. Who are the key producers in the global Food Grade Calcium Carbonate market?
6. What are the growth factors driving the market demand?

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