

# **Guar Gum Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Function (Stabilizer & Emulsifier, Thickening & Gelling Agent, Binder, Friction Reducer, Others), By Application (Food & Beverages, Mining & Explosives, Oil & Gas, Paper Manufacturing, Pharmaceuticals & Cosmetics, Others), By Grade (Food-Grade, Pharmaceutical-Grade, Industrial-Grade), By Region & Competition, 2021-2031F**

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## **Abstracts**

The Global Guar Gum Market is projected to grow from a valuation of USD 1.33 Billion in 2025 to USD 1.99 Billion by 2031, expanding at a CAGR of 6.95% over the forecast period. Guar gum, a galactomannan polysaccharide derived from guar beans, serves as a vital high-viscosity thickening and stabilizing agent for a wide range of industrial applications, with demand primarily fueled by hydraulic fracturing in the oil and gas sector and natural ingredient processing in the food and beverage industry. Reflecting the sustained industrial reliance on this polymer, the Agricultural and Processed Food Products Export Development Authority reported that India's exports of guar gum products reached 417,691 metric tonnes during the fiscal year 2023 to 2024, maintaining strong trade volumes despite global economic fluctuations.

However, the market faces significant challenges stemming from raw material price volatility and the availability of synthetic substitutes. Because guar cultivation relies heavily on seasonal rainfall, supply inconsistencies frequently lead to erratic pricing, which prompts end users to switch to more stable alternatives like xanthan gum. This unpredictability in input costs acts as a persistent barrier that restricts broader market

adoption and hinders long-term growth in applications that are particularly sensitive to price instability.

### **Market Driver**

The strategic application of guar gum in hydraulic fracturing and oil well stimulation acts as a paramount driver for the global market, given the commodity's critical function in unconventional energy production. As a high-viscosity proppant transport agent, this natural polymer is indispensable for enhancing hydrocarbon recovery from shale formations, where continued exploration directly drives the consumption of industrial-grade guar. This persistent exploration activity is evidenced by the Baker Hughes 'North America Rotary Rig Count' from October 2024, which recorded 585 active drilling rigs in the United States, while the Shellac and Forest Products Export Promotion Council noted that India's total guar gum export value reached USD 541 million for the fiscal year 2023-24, highlighting the substantial trade value generated by this sector.

The expansion of the processed food and beverage industry serves as a second critical force propelling market demand, largely due to increasing consumer preference for natural ingredients. Manufacturers are widely adopting guar gum as a versatile thickener, stabilizer, and moisture-binding agent in products ranging from bakery items to frozen desserts, aligning with clean-label and gluten-free trends. This sector's robust performance ensures a steady requirement for food-grade guar to replace synthetic additives, a trend supported by Nestlé's 'Annual Review 2023' from February 2024, which reported an organic growth rate of 7.2%, reflecting the resilient global demand for processed foods that sustains the need for functional additives.

### **Market Challenge**

The primary obstacle restricting the growth of the Global Guar Gum Market is the volatility of raw material prices combined with the availability of synthetic substitutes. Since the cultivation of guar beans is intrinsically linked to seasonal rainfall patterns, supply inconsistencies frequently result in erratic pricing structures that disrupt budget planning for industrial buyers. This unpredictability creates a favorable environment for synthetic alternatives like xanthan gum, which offer stable pricing and consistent availability, prompting end users to reduce their dependency on natural guar variants for critical operations.

This trend toward substitution directly impacts the financial performance of the sector by limiting value realization. According to the Agricultural and Processed Food Products

Export Development Authority, the export value of guar gum from India in the fiscal year 2023 to 2024 was recorded at USD 542 million. This figure highlights how price instability and the subsequent shift toward alternative thickening agents reduce the revenue potential for market participants and impede steady commercial expansion in price-sensitive regions.

## **Market Trends**

The development of guar-based biodegradable packaging and bioplastics represents a transformative trend as the industry seeks sustainable alternatives to petroleum-based polymers. Researchers and manufacturers are increasingly leveraging guar gum's film-forming properties to create non-toxic, compostable packaging solutions that offer enhanced barrier protection against oxygen and moisture, addressing the global plastic waste challenge while expanding the commercial utility of galactomannan derivatives. Validating this advancement, the International Journal of Biological Macromolecules reported in December 2024, in the article 'Fabrication of guar gum/chitosan edible films reinforced with orange essential oil nanoemulsion for cheese preservation', that the elongation at break of these bioplastic films significantly increased to 135.12%, demonstrating their superior flexibility and suitability for industrial packaging.

Simultaneously, the market is witnessing substantial expansion into natural and premium pet food sectors, driven by the "pet humanization" phenomenon where owners prioritize clean-label ingredients. Guar gum is experiencing heightened demand as a preferred natural thickener and stabilizer in wet pet foods and a binder in kibble, replacing synthetic additives to meet consumer expectations for transparency and health. This shift is supported by the sector's financial growth; according to the American Pet Products Association's '2025 State of the Industry Report' from March 2025, sales of pet food and treats in the U.S. market reached \$65.8 billion in 2024, highlighting the massive scale of the premium nutrition market that necessitates consistent supplies of functional natural ingredients.

## **Key Market Players**

Vikas WSP Limited

Hindustan Gum & Chemicals Ltd.

India Glycols Limited

Lucid Colloids Ltd.

Cargill, Inc.

Ashland Inc.

Supreme Gums Pvt. Ltd.

Rama Gum Industries Ltd.

Jai Bharat Gum & Chemicals Ltd.

Neelkanth Polymers

## Report Scope

In this report, the Global Guar Gum Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

### Guar Gum Market, By Function

Stabilizer & Emulsifier

Thickening & Gelling Agent

Binder

Friction Reducer

Others

### Guar Gum Market, By Application

Food & Beverages

Mining & Explosives

Oil & Gas

Paper Manufacturing

Pharmaceuticals & Cosmetics

Others

Guar Gum Market, By Grade

Food-Grade

Pharmaceutical-Grade

Industrial-Grade

Guar Gum Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

## **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Guar Gum Market.

## **Available Customizations:**

Global Guar Gum Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## **Company Information**

*Guar Gum Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Function (Stabi...*

Detailed analysis and profiling of additional market players (up to five).

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