

# Carrageenan Market Set to Exceed USD 1349.97 Million by 2030, Driven by Rising demand for natural food thickeners

"Seaweed Power: Unveiling Carrageenan Market Trends & Applications - A Deep Dive into the Global Industry Landscape & Future Growth Prospects."

TEXES, AUSTIN, UNITED STATES, May 10, 2024 /EINPresswire.com/ -- The growth of the <u>carrageenan market</u> is driven by its increasing penetration in dairy and processed meat products, where its unique mouthfeel characteristics replicate the sensation of fat, enhancing consumer appeal.



Additionally, rising consumer demand for natural food additives and stabilizers further boosts market growth, as carrageenan offers a plant-derived alternative to traditional animal-derived ingredients like gelatin.

According to the latest report by SNS Insider, The Carrageenan Market size was valued at USD 873 million in 2022. It is projected to escalate to USD 1349.97 million by 2030, with a compound annual growth rate (CAGR) of 5.6% during the forecast period from 2023 to 2030. The carrageenan market is experiencing a notable upsurge, propelled by its extensive applications in the food and beverage industry as a versatile thickening, stabilizing, and gelling agent. Carrageenan, derived from red seaweeds, offers unique properties such as viscosity control, water retention, and gel formation, making it an indispensable ingredient in a wide range of food products including dairy, meat, bakery, and confectionery items. In dairy products, carrageenan is used to improve texture, mouthfeel, and stability in products such as yogurt, ice cream, and chocolate milk. Furthermore, in meat and poultry products, carrageenan serves as a binder and texturizer, enhancing moisture retention, juiciness, and sliceability in processed meats and deli slices.

Advanced extraction technologies such as aqueous and enzyme-assisted extraction enable the production of carrageenan with high yields and minimal environmental impact, meeting the growing demand for natural and clean label ingredients. Furthermore, innovations in

carrageenan blends and formulations offer customized solutions for specific food applications, addressing the diverse needs of manufacturers and consumers. As consumer preferences continue to evolve towards clean label, plant-based, and sustainable food products, the carrageenan market is poised for continued growth and innovation, offering opportunities for manufacturers to develop new formulations, expand their product portfolios, and capitalize on emerging trends in the global food industry.

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# Market Report Scope:

The carrageenan market exhibits a broad scope across various industries, primarily driven by its multifunctional properties and diverse applications. With its ability to bind with water and enhance food ingredient properties, carrageenan has extensive usage in the food industry as a viscosity control agent, thickener, stabilizer, and suspending agent. Furthermore, the pharmaceutical and personal care sectors leverage carrageenan's water-binding capacity in products such as tablets, moisturizers, and creams. The market is characterized by a growing preference for plant-derived ingredients over animal-derived counterparts, fostering increased demand for carrageenan as a natural additive and stabilizer. Technologies like semi-refined processing are widely adopted by small and medium-scale players due to their cost-effectiveness. The growing preference for natural food additives, gelling agents, and emulsifiers is expected to drive market growth further. Furthermore, the pharmaceutical and personal care industries utilize carrageenan as an inactive excipient and thickening agent, respectively, further expanding its application scope. However, the market faces challenges from substitute products like xanthan gum and guar gum.

Overall, the carrageenan market presents opportunities for innovation and expansion across diverse sectors, driven by evolving consumer preferences and regulatory trends toward natural and sustainable ingredients.

# Market Analysis:

The Carrageenan market is driven by several factors, including the increasing demand for natural food additives, growing applications in non-food industries like pharmaceuticals and personal care, and the rising trend of convenience foods. Additionally, carrageenan's binding properties and diverse application spectrum contribute to its widespread adoption, further fueling market growth.

Major Key Players Included are: By Processing Technology

- Alcohol Precipitation
- Gel Press
- Semi-refined

By Function

- Thickening Agents
- Gelling Agents
- Stabilizers
- Others

By Product Type

- Карра
- lota
- Lambda

By Application

- Food & Beverage
- Pharmaceutical
- Personal Care & Cosmetics
- Others

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#### Segment Analysis:

By Processing Technology: The semi-refined technology segment dominates the market due to its cost-effectiveness and ease of adoption by small and medium-scale players.

By Function: The thickening agent segment holds the largest revenue share, driven by the widespread usage of carrageenan in enhancing the texture and consistency of various food and personal care products.

By Product Type: The kappa segment accounts for the largest revenue share, owing to its superior gelling properties and extensive application in dairy and processed meat products.

By Application: The food and beverage segment dominates the market, propelled by the increasing demand for carrageenan as a natural additive and stabilizer in various food products.

# Impact of Economic Downturn:

The economic downturn has led to increased consumer preference for affordable food and personal care products, driving demand for carrageenan as a cost-effective and natural ingredient. However, economic uncertainties may pose challenges to market expansion, necessitating strategic adaptation by industry players.

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Impact of Russia-Ukraine War:

The conflict between Russia and Ukraine has disrupted the supply chain of carrageenan, as Ukraine is a major producer of seaweed, the primary source of carrageenan. This disruption has led to a decrease in seaweed production, which resulted shortage of carrageenan in the market. Consequently, prices have surged, affecting production costs for manufacturers and transportation logistics globally.

Regional Development:

In 2022, Europe dominated the carrageenan market with a revenue share of 34.4%, driven by factors such as increasing demand for natural food additives and the presence of key market players.

North America also accounted for a significant revenue share, attributed to factors like rising consumer awareness regarding food safety and the growing trend of convenience foods.

Key Takeaways for Carrageenan Market:

• Increasing demand for natural food additives and stabilizers drives market growth.

- Diverse applications in food, pharmaceuticals, and personal care sectors contribute to market expansion.
- The semi-refined processing technology and kappa product type dominate respective segments, emphasizing superior gelling properties.
- Europe and North America emerge as key regional markets, driven by consumer preferences and the presence of major market players.

Recent Developments:

• In November 2022, J.M. Huber Corporation acquired Biolchim Group, a major player in the carrageenan market, expanding its portfolio of specialized plant nutrition and biostimulants.

• Birmingham Biotech Ltd developed NoriZite Nasal Spray with carrageenan in October 2022, offering anti-viral protection against respiratory viruses.

• Kerry Group's acquisition of Biosearch Life in July 2021 strengthens its presence in the food ingredient sector, enhancing its ProActive health platform.

• CP Kelco and Biesterfeld's partnership expansion in August 2020 facilitates the distribution of carrageenan products in European markets, further advancing market reach and accessibility.

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