

Food Antioxidants Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028F Segmented By Type (Natural, Synthetic), By Form (Dry, Liquid), By Application (Meat & Poultry, Bakery & Confectionery, Fats & Oil, Fish), By Region, Competition

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Abstracts

The global food antioxidants market was valued at USD 2.8 billion in 2022 and is expected to experience robust growth in the forecast period with a CAGR of 6.6% through 2028. Antioxidants are compounds that inhibit the cellular oxidation process, which can potentially harm cells and generate free radicals. They can be naturally obtained from a variety of fruits and vegetables, such as raspberries, spinach, and eggplant, or they can be chemically synthesized and used as additives in various applications. Additionally, they are widely utilized as gasoline additives, plasticizers, and latex stabilizers, as well as preservatives in many processed food products. Moreover, numerous pharmaceutical and cosmetic products rely on antioxidants for their beneficial properties. With the projected population growth and the increasing demand for processed goods, which drives a surge in prices, the market for antioxidants is expected to expand.

Key Market Drivers

Growing Population

The increasing global population has led to a rise in food consumption, resulting in a growing demand for various prepared food products. These products include meat, poultry, bakery items, sweets, confectionery, oil, fish, and more. To ensure a longer

shelf life without compromising their health benefits, a small amount of food antioxidants is incorporated into the formulation of these food products. The surge in packaged food consumption worldwide is expected to drive the demand for food antioxidants in the foreseeable future.

Furthermore, the demand for prepared food is fueled by increasing disposable income and rapid urbanization. Working professionals, facing time constraints, rely on convenient and nutritious prepared food options. This shift in consumer lifestyle preferences is driving the market for food antioxidants globally. Consumers are increasingly conscious of the preservatives and nutrients used in food products, leading to a greater emphasis on the role of food antioxidants. These factors are poised to contribute to the growth of the food antioxidants market in the coming years.

Increasing Demand for Antioxidants Among Consumers

Consumers are increasingly recognizing the significance of a well-balanced diet and the role antioxidants play in maintaining overall health. To align with their dietary goals and prevent chronic diseases, consumers seek out food products that offer additional health benefits, including antioxidants. Moreover, antioxidants are widely acknowledged for their potential health advantages, such as their ability to neutralize free radicals and reduce oxidative stress. With the global population aging, the importance of preserving good health and preventing age-related health issues has grown, leading to a higher demand for antioxidant-rich food products.

The increasing consumer awareness of healthier alternatives is expected to drive the demand for the Food Antioxidants Market in the forecast period. In recent years, consumers have shifted towards consuming processed foods such as snacks, meals, and beverages in large quantities. To counteract the potential harm caused by processed foods and to prevent oxidation, consumers have started consuming food antioxidants, which help neutralize free radicals in the body. This is a major driving factor for market growth.

Increasing Demand for Extending Shelf Life of Food Products

The rise in purchasing power has enabled consumers to buy in bulk, providing another boost to the market. As people's purchasing power increases, so does the demand for products. Advancements in technology have also extended the shelf life of food products, leading to an increased demand for food antioxidants. The food market and the Food Antioxidants Market are interconnected, resulting in automatic growth.

However, the high costs associated with natural antioxidants pose a challenge to the market. Although synthetic antioxidants are low-cost alternatives, they are not as healthy or safe as natural antioxidants. Safety concerns related to synthetic antioxidants further restrict the growth of the Global Market.

Growing Awareness About the Benefits of Antioxidants

The growing awareness surrounding the numerous benefits of consuming healthy and nutritious food is a key driver behind the increasing revenue growth in the market. Diets rich in antioxidants have been shown to lower the risk of various illnesses, including heart disease and cancer, by eliminating free radicals and preventing oxidative damage. For example, dark chocolate, which contains higher amounts of cocoa and therefore more minerals and antioxidants compared to conventional chocolate, is considered a healthier option. The antioxidants found in cocoa and dark chocolate offer health advantages such as reducing risk factors for heart disease and mitigating inflammation. Individuals who consume foods rich in the antioxidant lycopene, such as tomatoes, apricots, pink grapefruit, and watermelon, have a lower risk of developing prostate cancer. Similarly, the presence of lutein in spinach and maize helps to decrease the risk of age-related eye lens degeneration and vision loss in the elderly, hence contributing to the growth of the market. Spinach, being low in calories yet abundant in vitamins, minerals, and antioxidants, is an excellent dietary choice. With up to 0.9 mmol of antioxidants per 3.5 ounces (100 grams), spinach is a good source of lutein and zeaxanthin, two antioxidants that protect the eyes against harmful UV rays and other light wavelengths. Furthermore, incorporating meals containing flavonoids, such as apples, grapes, citrus fruits, berries, tea, onions, olive oil, and red wine, into one's diet can help prevent cancer and metabolic disorders. All these factors significantly contribute to the revenue growth observed in the food antioxidants market.

Key Market Challenges

The high cost of natural antioxidants poses a significant challenge, as the introduction of synthetic antioxidants at a lower price point with limited health benefits has failed to meet the demand of the general population. Safety concerns associated with synthetic antioxidants serve as a major constraint in the food antioxidant market, potentially impeding its growth. Additionally, the global pandemic has had a profound impact on the consumption of meat and livestock products, leading to increased consumer skepticism regarding the transmission of COVID-19 through the consumption of these goods. Despite these obstacles, various food agencies maintain that the safety and quality of the food supply chain remain robust, with food antioxidants playing a vital role in overall

business operations.

Formulation and Stability Issues

Securing a stable and sufficient supply of natural antioxidant sources can be difficult. Climate change, agricultural practices, and other factors can impact the availability and pricing of these natural sources, potentially leading to supply chain disruptions. Antioxidants may interact with other ingredients in food formulations, affecting stability, taste, texture, and appearance. Formulating products that maintain the desired qualities while retaining antioxidant efficacy can be a technical challenge.

Key Market Trends

Expansion of Delivery Channels

The expansion of e-commerce platforms and direct-to-consumer channels provides food antioxidant suppliers with a means to reach a broader customer base. Through direct interaction with customers, there is an opportunity to enhance public understanding of the benefits of antioxidants and tap into specialized and niche markets for antioxidant goods. With increased emphasis on overall well-being, there is greater awareness of the role of antioxidants in promoting health. Consumers are looking to incorporate antioxidant-rich foods into their diets, leading to a surge in demand for products with naturally high antioxidant content.

Antioxidant Blends

Companies are developing and marketing antioxidant blends or combinations of different antioxidants to enhance their effectiveness and provide a broader spectrum of protection against oxidation. Blending different antioxidants also allows for synergy in preventing oxidation in various food applications. Beyond their traditional role of preventing oxidation, food antioxidants are being promoted for their functional benefits, such as promoting health and wellness. Manufacturers are leveraging scientific research to highlight the potential health benefits of specific antioxidants, such as their anti-inflammatory or anti-aging properties.

Segmental Insights

Type Insights

The global food antioxidants market is categorized into natural antioxidants and synthetic antioxidants based on type. It is anticipated that the natural antioxidants segment will witness substantial revenue growth throughout the forecast period. Natural antioxidants are abundant in foods and medicinal plants, particularly phenolic compounds found in various plant parts such as fruits, vegetables, nuts, seeds, leaves, roots, and bark. The use of different plant products as natural antioxidants is being explored to enhance the overall quality of meat and meat products, considering plants' rich reservoir of bioactive chemicals that are beneficial to humans. Phenolic compounds, commonly found in red and white wines, tea, coffee, grains, vegetables, fruits, and cereals, are prominent secondary metabolites in plants.

Form Type Insights

Based on the form, the global food antioxidants market is categorized into dry and liquid segments. The dry segment is projected to exhibit a substantial growth rate in terms of revenue during the forecast period. Dry fruits are nutritionally rich and offer various therapeutic benefits. For instance, almonds, a widely consumed dry fruit, are highly beneficial for both adults and children due to their abundance in vitamin E, essential oils, and antioxidants. These properties contribute to a reduced risk of heart disease, cancer, and Alzheimer's disease. Almonds can be consumed either grilled or raw. These factors collectively contribute to a significant market share in terms of revenue for this segment.

Regional Insights

North America has emerged as the dominant market for food antioxidants, driven by increasing consumer concerns about food safety and regulatory laws. This trend is further fueled by the growing emphasis on healthy eating, organic and natural foods, and the demand for convenient food products. The region is also experiencing a rising demand for processed food, driven by industrialization, and a preference for high-quality food. Ingredient suppliers are optimistic about the growth of the food and beverage industry, creating a demand for antioxidant products in the region. The Asia-Pacific region is also witnessing a promising emergence in the global food antioxidants market, contributing to the growth of this sector.

Key Market Players

Archer Daniels Midland Company

BASF SE

Camlin Fine Sciences, Ltd.

Dow, Inc.

DuPont de Nemours, Inc.

Eastman Chemical Company

Frutarom Industries Ltd.

Kalsec, Inc.

Kemin Industries, Inc.

Koninklijke DSM NV

Report Scope:

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

Food Antioxidants Market, By Type:

Natural

Synthetic

Food Antioxidants Market, By Form:

Dry

Liquid

Food Antioxidants Market, By Application:

Meat & Poultry

Bakery & Confectionery

Fats & Oil

Fish

Food Antioxidants 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 Food Antioxidants Market.

Available Customizations:

Global Food Antioxidants market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

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

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