

**Food Enzymes Market by Type (Carbohydrases, Proteases, Lipases, Polymerases, & Nucleases), Application (Food & Beverages), Source (Microorganisms, Animals, & Plants), Formulation, Functional Role, and Region - Global Forecast to 2030**

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**Report description:**

The market for food enzymes is estimated to be USD 2.98 billion in 2025 and is projected to reach USD 4.20 billion by 2030, at a CAGR of 7.2% during the forecast period. The food enzymes market is witnessing significant growth as enzymes play a vital role in enhancing food quality, safety, and processing efficiency. Driven by increasing consumer demand for natural, clean-label, and functional foods, the market is expanding across various regions, with emerging economies showing strong potential.

Technological advancements, regulatory support, and innovation by leading industry players are further fueling the adoption of food enzymes in various applications, making the sector a dynamic and rapidly evolving one.

<https://mnmimg.marketsandmarkets.com/Images/food-enzymes-market-overview.svg>

"The beverage application segment is estimated to witness a significant CAGR during the forecast period."

The beverage segment is expected to register a CAGR in the food enzymes market, supported by rising beer consumption and continuous innovation. According to Kirin Holdings' 2023 global report released in December 2024, beer consumption reached approximately 187.9 million kiloliters, showing a slight recovery in demand as global economies stabilized post-pandemic. This stable demand highlights the brewing industry's enduring relevance, making it a key application area for enzyme technologies. Enzymes are integral to improving brewing efficiency, enhancing product stability, and enabling sustainable production. Leading enzyme producers like IFF are capitalizing on this demand through targeted product launches. In November 2023, IFF introduced BCLEAR, an advanced enzymatic solution that offers robust colloidal stability, energy and water savings, and gluten reduction-aligning with brewers' environmental goals. Furthermore, the September 2024 launch of DIAZYME NOLO responded to the booming no- and low-alcohol (NOLO) beer market by enhancing taste and mouthfeel while reducing production costs and

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environmental impact. These innovations reflect how enzymes are not only addressing evolving consumer preferences but also empowering brewers to produce smarter, more sustainable, and cost-effective beverages.

"The dry formulation segment is estimated to maintain robust growth."

Dry enzymes are preferred due to their longer shelf life, ease of handling, and superior compatibility with automated feeding systems in industrial food manufacturing. Their stability and reduced risk of contamination make them ideal for integration into smart factory settings, which increasingly rely on automation and closed-loop material handling. This preference is especially strong in the bakery, confectionery, and processed food industries, where powdered enzymes enhance texture, flavor, and shelf life efficiently. Additionally, dry food enzymes support cost-effective storage and transportation without the need for cold chains, further solidifying their dominance. With expanding applications and rising demand for natural, clean-label ingredients, the dry enzyme segment is expected to maintain robust growth globally, driven by technological advancements and a shift toward sustainable, efficient food processing solutions.

"Europe is estimated to hold a significant share of the global food enzymes market."

Europe is anticipated to hold a substantial share of the global food enzymes market, driven by its advanced food processing industry, strong regulatory framework, and rising demand for sustainable and clean-label food solutions. The region benefits from a robust biotechnology ecosystem and a well-established base of enzyme manufacturers actively engaged in product innovation. A notable development reinforcing this trend is BRAIN Biotech AG's recent expansion in May 2025, in the region, through the complete acquisition of its Dutch subsidiary, Breatec B.V. The company announced the establishment of a new integrated production and warehousing site near Eindhoven, Netherlands, dedicated to addressing the growing demand for flour and bakery enzyme applications. This facility will also feature an enhanced Baking Application Center focused on developing enzyme-based solutions tailored to the European market. By consolidating operations and transferring activities from its Buttelborn site in Germany, BRAIN Biotech aims to improve operational efficiency, strengthen its customer-centric approach, and streamline production under a centralized European hub. These developments underscore the region's strategic role in driving innovation and scaling production in the food enzymes sector. As a result, Europe is well-positioned to continue being a key contributor to the global food enzymes market's growth.

In-depth interviews were conducted with chief executive officers (CEOs), directors, and other executives from various key organizations operating in the food enzymes market:

- By Company Type: Tier 1 - 25%, Tier 2 - 45%, and Tier 3 - 30%

- By Designation: Directors - 20%, Managers - 50%, Executives - 30%

- By Region: North America - 25%, Europe - 30%, Asia Pacific - 20%, South America - 15%, and Rest of the World (Middle East and Africa) -10%

Prominent companies in the market include BASF SE (Germany), International Flavors & Fragrances Inc. (US), dsm-firmenich (Switzerland), Associated British Foods plc (England), Novonesis Group (Denmark), Kerry Group plc (Ireland), Dyadic International Inc. (US), Advanced Enzyme Technologies (India), Aumgene Biosciences (India), Amano Enzyme Inc. (Japan), F. Hoffmann-La Roche Ltd. (Switzerland), Codexis, Inc. (US), Sanofi (France), Merck KGaA (Germany), and Adisseo (China).

Other players include Lesaffre Corporation (France), Enzyme Solutions (US), Enzymatic Deinking Technologies, LLC (US), Creative Enzymes (US), Tex Biosciences (P) Ltd. (India), DENYKEM (UK), MetGen (Finland), Biovet S.A. (Spain), Biocatalysts (UK), and Alltech (US).

Research Coverage:

This research report categorizes the food enzymes market by type (carbohydrases, proteases, lipases, polymerases & nucleases, others), application (food, beverages), source (microorganisms, plants, animals), formulation (lyophilized powder, liquid, other), functional role (hydrolysis, tenderization, shelf-life enhancement, others), and region - Global forecast to 2030. The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the food enzymes market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, and services; key strategies; Contracts, partnerships, and agreements. The study includes new product & service launches, mergers & acquisitions, and recent developments associated with the food enzymes market. This report also includes a competitive analysis of emerging startups in the food enzymes market ecosystem.

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The report will help market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall enzymes and the subsegments. It will also help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

1. In-depth Segmentation across Type, Source, and Application: This report offers an in-depth analysis of the food enzymes market, categorizing it by enzyme type (proteases, carbohydrases, lipases, etc.), source (microbial, plant-based, and animal-derived), and application across food and beverage sectors. Such detailed segmentation enables stakeholders to pinpoint high-growth areas, optimize product development, and strategically position offerings along the supply chain.
2. Region-specific Insights with Focus on Emerging Markets: The report provides country- and region-specific analysis, emphasizing opportunities in rapidly growing markets such as Asia Pacific and South America. It explores regional regulatory frameworks, key demand drivers, and investment trends, serving as a critical guide for companies pursuing expansion or localization strategies.
3. Competitive Intelligence and Innovation Landscape: Leading market participants, including Novonesis, IFF, dsm-firmenich, and Kerry Group, are profiled in detail. The report covers recent developments such as new product launches, mergers & acquisitions, facility expansions, and R&D initiatives, helping users benchmark competitors and monitor emerging innovation trends.
4. Demand Forecasts Backed by Data-driven Methodologies: Market sizing and growth projections through 2030 are developed using a combination of top-down and bottom-up approaches, validated by industry experts, trade associations, and official government data. These insights provide reliable guidance for investment planning and market opportunity assessment in the food enzymes sector.

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