

# Dairy Enzymes Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

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## Abstracts

The Global Dairy Enzymes Market, valued at USD 662.4 million in 2024, is expected to grow at a CAGR of 7.3% between 2025 and 2034. This upward trajectory is largely attributed to the rising demand for lactose-free dairy products, driven by the growing prevalence of lactose intolerance and food allergies. Consumers seeking alternatives that offer essential nutrients like calcium and vitamins without causing digestive discomfort are increasingly opting for these specialized dairy products.

Approximately 65% of the global adult population experiences lactose intolerance due to reduced activity of the LCT gene, leading to gastrointestinal issues after consuming traditional dairy products. This growing health concern has boosted the popularity of lactose-free options, enhancing the market's appeal. The industry's focus on expanding product diversity and improving quality further supports market growth as consumers look for innovative, healthier alternatives in the dairy sector.

However, the relatively higher costs associated with dairy enzymes compared to conventional food additives and the stringent regulatory guidelines governing their use may pose challenges for market expansion. Additionally, the lengthy process involved in developing new enzyme-based products could slow down innovation and commercialization in the sector.

In terms of product segmentation, the market is categorized into lipases, proteases, carbohydrases, esterase, transglutaminase, catalase, and others. Proteases emerged as the dominant segment in 2024, contributing USD 271.7 million in revenue, and are projected to reach USD 577.3 million by 2034. These enzymes play a critical role in protein digestion, amino acid absorption, and overall health improvement, which makes them highly sought after across multiple industries. Their non-toxic and eco-friendly

properties further drive their adoption.

The dairy enzymes market is also segmented by application, including cheese, milk, butter, whey protein, yogurt, desserts, ice cream, infant formula, and more. Cheese remains a leading segment, holding a 40% market share in 2024. Growing culinary diversity and increasing consumption of processed foods have significantly contributed to the rising demand for enzyme-treated cheese products.

In the U.S., the dairy enzymes market was valued at USD 122.1 million in 2024. The increasing consumer focus on health and nutrition, along with a preference for clean-label, sustainable products, has driven the adoption of enzymes in dairy processing. Advancements in enzyme technology continue to enhance production efficiency, aligning with evolving consumer expectations for natural and environmentally friendly food products.

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