

Baking Enzymes Market by Geography (North America, Europe, Asia-Pacific, Row), by Types (Carbohydrase, Protease, Lipase & Others) & by Application (Bread, Biscuits & Cookies, Cake & Pastry & Others) - Global Trends & Forecasts to 2019

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Abstracts

Enzymes, used as processing aids, in baking are the key differentiation factors for bakery improver manufacturers and a great source of product innovations and differentiation. The market for baking enzymes is expected to experience a growth of 8.2% from 2013 to 2019. The estimation is a result of regular research and development in the industry with widening application of baking enzymes, which are mainly involved in the conversion of carbohydrates to simple sugars, longer fragment protein chains to shorter fragment protein chains, and hydrolysis of fats (lipids).

Carbohydrase has major applications within the baking industry, thus making it the largest type of baking enzyme used, followed by protease and lipase. China and the U.S. are important players in this market due to the extensive demand for baked products here.

Figure-1 Global Baking Enzymes Market Revenue, by Geography 2013-2019 (\$Million)

Source: MarketsandMarkets Analysis

The segments of the baking enzymes market include types, applications, and geography. The market includes the applications of such as breads, cakes & pastries, biscuits & cookies, and others. The functions of baking enzymes in the bakery industry include dough improvement, extension of shelf life, enhanced crumb structure, prolonged softness, superior texture, and better appearance. All functions of baking

enzymes have been considered in the study and the market has been segmented based on the same. The growth rate of baking enzymes may go higher in the next five years with regular research and development in the field and with the launch of new products that have different applications.

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About

The global baking enzymes market is segmented in terms of geography, types, and applications. In terms of geography, it is divided into North America, Europe, Asia-Pacific, and Rest of the World (ROW). North America emerges as the global leader, followed by Europe, and Asia-Pacific. Key baking enzyme types include carbohydrase, protease and lipase. Other types include asparaginase, glucose oxidase, lipoxygenase, papain, transglutaminase, and esterases. Baking enzymes find a wide range of applications within the baking industry. The application segment has been categorized into bread, biscuits and cookies, cake & pastry, and others which include tortillas, donuts, bagels, and other bakery products.

The baking enzymes market is driven by various factors, including the emerging bakery products, declining use of emulsifiers, high disposable income, and uncovering health and nutritional values among others. The market faces challenges with issues like changing temperature and competition in the bakery products market. However, the effects of market drivers outweigh those of the restraints and the market is anticipated to experience healthy growth in the coming years.

China's baking products market has been displaying a steady growth rate. There has been a shift to more bread products in the daily meals of the population in China. Due to this, the Chinese market for baking enzymes is expected to witness the highest growth rate among the leading markets. Along with the U.S., China falls into the high value and high growth category.

The CAGR for baking enzymes in the U.S. from 2013 to 2019 is anticipated to reflect the global average over the same period. This average stands at XX%. Among the smaller markets, India is projected to witness the strongest growth, followed by Brazil. Germany and South Africa fall into the low value, high growth category.

Recently, the global baking enzymes market has witnessed an evolutionary trend towards the development of better functional products. The most prevalent development activity in the baking enzymes was the new product development from 2010 to 2013. It accounted for XX% of the total development activities undertaken by the key industry players in the concerned period. The year 2012 witnessed the most number of new product developments. With the increasing number of end-use applications in the market, the baking enzyme manufacturers focused on developing new enzymes to cater to the growing needs of the bakery-processing industry players.

The reaction specificity provided by baking enzymes without undesirable side-effects of traditional chemicals, has amplified the need to develop many new application-specific baking enzymes. The new baking enzymes developed find use in the textural, crumb structure improvement, dough stability in bread applications and increasing freshness, and softness in cakes and biscuits applications.

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