

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.

Contents

1 INTRODUCTION

- 1.1 Key Take-Aways
- 1.2 Report Description
- 1.3 Stakeholders
- 1.4 Research Methodology
 - 1.4.1 Markets Covered
 - 1.4.2 Market Size
 - 1.4.3 Secondary Sources
 - 1.4.4 Assumptions Made For The Report
 - 1.4.5 Key Data Points Validated From Primary & Secondary Sources
 - 1.4.6 Key Questions Answered

2 EXECUTIVE SUMMARY

3 PREMIUM INSIGHTS

- 3.1 Market Segmentation
- 3.2 SWOT Analysis
- 3.3 Global Baking Enzymes Market Revenue, By Geography
- 3.4 Carbohydrases: Parent & Sub-Types
- 3.5 Drivers & Restraints
- 3.6 Benchmarking Countries, By Value & Growth
- 3.7 Improved Performance of End-Products Using Baking Enzymes
- 3.8 Baking Enzymes Market Revenue, By Geography & Type
- 3.9 Baking Enzymes Market Revenue, By Country
- 3.10 Carbohydrase Market Revenue, By Country
- 3.11 Carbohydrase Market Revenue, By Type
- 3.12 Protease Market Revenue, By Country
- 3.13 Lipase Market Revenue, By Country
- 3.14 Baking Enzymes Market Value Chain
- 3.15 Global Baking Enzymes Market Revenue, By Type
- 3.16 Global Baking Enzymes Market Revenue, By Application

4 MARKET OVERVIEW

- 4.1 Introduction

- 4.2 Market Segmentation
 - 4.2.1 Market Segmentation
- 4.3 Burning Issues
 - 4.3.1 Enzyme Exposure and Enzyme Sensitisation in Baking Industry
 - 4.3.2 Changing Safety Legislations in Baking Enzymes in Europe
- 4.4 Winning Imperatives
 - 4.4.1 New Product Developments
 - 4.4.1.1 Winning Imperatives: New Products Development
- 4.5 Impact Analysis
 - 4.5.1 Impact Analysis
- 4.6 Market Dynamics
 - 4.6.1 Drivers
 - 4.6.1.1 A. Emerging Bakery Products
 - 4.6.1.2 B. Declining Use of Emulsifiers
 - 4.6.1.3 C. High Disposable Income
 - 4.6.1.4 D. Uncovering Health and Nutritional Values
 - 4.6.2 Restraints
 - 4.6.2.1 A. Effect of Temperature
 - 4.6.2.2 B. Competition
 - 4.6.3 Opportunities
 - 4.6.3.1 A. Emerging Markets
 - 4.6.3.2 B. Technological Innovations
- 4.7 Porter's Five Forces Analysis
 - 4.7.1 Degree of Competition
 - 4.7.2 Bargaining Power of Suppliers
 - 4.7.3 Bargaining Power of Customers
 - 4.7.4 Threat From Substitutes
 - 4.7.5 Threat From New Entrants

5 GLOBAL BAKING ENZYMES MARKET, BY GEOGRAPHY

- 5.1 Introduction
- 5.2 North America (U.S., Canada, Mexico)
 - 5.2.1 North America Baking Enzymes Market, By Country
 - 5.2.2 North America Baking Enzymes Market, By Type
 - 5.2.3 North America Baking Enzymes Market, By Application
 - 5.2.4 U.S. Baking Enzymes Market, By Type
 - 5.2.5 U.S. Baking Enzymes Market, By Application
 - 5.2.6 Canada Baking Enzymes Market, By Type

- 5.2.7 Canada Baking Enzymes Market, By Application
- 5.2.8 Mexico Baking Enzymes Market, By Type
- 5.2.9 Mexico Baking Enzymes Market, By Application
- 5.3 Europe (Germany, U.K., France, Italy, Spain)
- 5.4 Asia-Pacific (China, Japan, India)
- 5.5 ROW (South Africa, Brazil & Others)

6 BAKING ENZYMES MARKET, BY TYPE

- 6.1 Introduction
- 6.2 Baking Enzymes Market Revenue, By Type
- 6.3 Carbohydrase
 - 6.3.1 Amylase
 - 6.3.2 Hemicellulase
 - 6.3.2.1 Xylanase
 - 6.3.3 Other Carbohydrases
 - 6.3.4 Carbohydrases Market Revenue, By Type
 - 6.3.5 Carbohydrases Market Revenue, By Geography
 - 6.3.6 Carbohydrase Market Revenue, By Application
- 6.4 Protease
 - 6.4.1 Protease Market Revenue, By Geography
 - 6.4.2 Protease Market Revenue, By Application
- 6.5 Lipase
 - 6.5.1 Lipase Market Revenue, By Geography
 - 6.5.2 Lipase Market Revenue, By Application
- 6.6 Others
 - 6.6.1 Other Enzymes Market Revenue, By Geography
 - 6.6.2 Other Enzymes Market Revenue, By Application

7 BAKING ENZYMES MARKET, BY APPLICATION

- 7.1 Introduction
- 7.2 Bread
 - 7.2.1 Bread Enzyme Market Revenue, By Geography
 - 7.2.2 Bread Enzyme Market Revenue, By Types
- 7.3 Biscuits & Cookies
 - 7.3.1 Biscuits & Cookies Enzyme Market Revenue, By Geography
 - 7.3.2 Biscuits & Cookies Enzyme Market Revenue, By Type
- 7.4 Cake & Pastry

- 7.4.1 Cake & Pastry Enzyme Market Revenue, By Geography
- 7.4.2 Cake & Pastry Enzyme Market Revenue, By Types
- 7.5 Others
 - 7.5.1 Other Applications Market Revenue, By Geography
 - 7.5.2 Baking Enzymes: Other Applications Market Revenue, By Types

8 COMPETITIVE LANDSCAPE

- 8.1 Introduction
- 8.2 Most Preferred Strategy – New Products Launch
- 8.3 Market Developments, By Growth Strategy
- 8.4 Market Growth Strategies, By Company
- 8.5 Mergers & Acquisitions
- 8.6 Agreements, Partnerships, Collaborations & Joint Ventures
- 8.7 New Product Development
- 8.8 Awards & Recognitions
- 8.9 Expansion & Investments

9 COMPANY PROFILE (OVERVIEW, FINANCIALS, PRODUCTS & SERVICES, STRATEGY, AND DEVELOPMENTS)

- 9.1 AB Enzymes Gmbh
- 9.2 Advanced Enzymes
- 9.3 Royal DSM
- 9.4 Maps Enzyme Limited
- 9.5 Novozymes
- 9.6 Stern Enzym
- 9.7 Aumenzymes
- 9.8 Amano Enzyme Inc.
- 9.9 Dydaic International Inc.
- 9.10 Engrain (U.S.)
- 9.11 Puratos Group NV
- 9.12 E.I.Dupont De Nemours & Company (Details on Overview, Financials, Product & Services, Strategy, and Developments Might Not Be Captured in Case of Unlisted Companies.)

List Of Tables

LIST OF TABLES

Table 1 Baking Enzymes Market Revenue, By Geography, 2012-2019 (\$Million)

Table 2 Baking Enzymes Market Volume, By Geography, 2012-2019 (Kt)

Table 3 North America Baking Enzymes Market Revenue, By Geography (2012-2019) (\$Million)

Table 4 North America Baking Enzymes Market Volume, By Geography (2012-2019) (Kt)

Table 5 North America Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)

Table 6 North America Baking Enzymes Market Volume, By Type (2012-2019) (Kt)

Table 7 North America Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)

Table 8 North America Baking Enzymes Market Volume, By Application (2012-2019) (Kt)

Table 9 U.S. Baking Enzyme Market Revenue, By Type (2012-2019) (\$Million)

Table 10 U.S. Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)

Table 11 Canada Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)

Table 12 Canada Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)

Table 13 Mexico Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)

Table 14 Mexico Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)

Table 15 Europe Baking Enzymes Market Revenue, By Country (2012-2019) (\$Million)

Table 16 Europe Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)

Table 17 Europe Baking Enzyme Market Revenue, By Application (2012-2019) (\$Million)

Table 18 Europe Baking Enzymes Market Volume, By Country (2012-2019) (Kt)

Table 19 Europe Baking Enzymes Market Volume, By Type (2012-2019) (Kt)

Table 20 Europe Baking Enzymes Market Volume, By Application (2012-2019) (Kt)

Table 21 Germany Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)

Table 22 Germany Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)

Table 23 France Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)

Table 24 Germany Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)

Table 25 Italy Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)

- Table 26 Italy Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 27 Spain Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)
- Table 28 Spain Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 29 U.K. Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)
- Table 30 U.K. Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 31 Rest of Europe Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)
- Table 32 Rest of Europe Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 33 Asia-Pacific Baking Enzymes Market Revenue, By Country (2012-2019) (\$Million)
- Table 34 Asia-Pacific Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)
- Table 35 Asia-Pacific Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 36 Asia-Pacific Baking Enzymes Market Volume, By Country (2012-2019) (Kt)
- Table 37 Asia-Pacific Baking Enzymes Market Volume, By Type (2012-2019) (Kt)
- Table 38 Asia-Pacific Baking Enzymes Market Volume, By Application (2012-2019) (Kt)
- Table 39 China Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)
- Table 40 China Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 41 Japan Baking Enzyme Market Revenue, By Type (2012-2019) (\$Million)
- Table 42 Japan Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 43 India Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)
- Table 44 India Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 45 Rest of Asia-Pacific Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)
- Table 46 Rest of Asia-Pacific Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 47 ROW Baking Enzymes Market Revenue, By Country (2012-2019) (\$Million)
- Table 48 ROW Baking Enzymes Market Volume, By Country (2012-2019) (Kt)
- Table 49 ROW Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)
- Table 50 ROW Baking Enzymes Market Volume, By Type (2012-2019) (Kt)
- Table 51 ROW Baking Enzymes Market Revenue, By Application (2012-2019) (\$Million)
- Table 52 ROW Baking Enzymes Market Volume, By Application (2012-2019) (Kt)
- Table 53 South Africa Baking Enzymes Market Revenue, By Type, 2012-2019 (\$Million)
- Table 54 South Africa Baking Enzymes Market Revenue, By Application, 2012-2019

(\$Million)

Table 55 Brazil Baking Enzymes Market Revenue, By Type, 2012-2019 (\$Million)

Table 56 Brazil Baking Enzymes Market Revenue, By Application, 2012-2019 (\$Million)

Table 57 Rest of ROW Baking Enzymes Market Revenue, By Type, 2012-2019

(\$Million)

Table 58 Rest of ROW Baking Enzymes Market Revenue, By Application, 2012-2019

(\$Million)

Table 59 Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)

Table 60 Carbohydrases Market Revenue, By Type (2012-2019) (\$Million)

Table 61 Carbohydrases Market Revenue, By Geography (2012-2019) (\$Million)

Table 62 Carbohydrase Market Revenue, By Application (2012-2019) (\$Million)

Table 63 Protease Market Revenue, By Geography (2012-2019) (\$Million)

Table 64 Protease Market Revenue, By Application (2012-2019) (\$Million)

Table 65 Lipase Market Revenue, By Geography (2012-2019) (\$Million)

Table 66 Lipase Market Revenue, By Application (2012-2019) (\$Million)

Table 67 Other Enzymes Market Revenue, By Geography (2012-2019) (\$Million)

Table 68 Other Enzymes Market Revenue, By Application (2012-2019) (\$Million)

Table 69 Baking Enzymes: Market Revenue, By Application, 2012-2019 (\$Million)

Table 70 Bread Baking Enzymes Market Revenue, By Geography (2012-2019)

(\$Million)

Table 71 Bread Baking Enzymes Market Revenue, By Type (2012-2019) (\$Million)

Table 72 Biscuits & Cookies Baking Enzymes Market Revenue, By Geography

(2012-2019) (\$Million)

Table 73 Biscuits & Cookies Baking Enzymes Market Revenue, By Type (2012-2019)

(\$Million)

Table 74 Cake & Pastry Baking Enzymes Market Revenue, By Geography (2012-2019)

(\$Million)

Table 75 Cake & Pastry Enzyme Market Revenue, By Type (2012-2019) (\$Million)

Table 76 Other Applications Market Revenue, By Geography (2012-2019) (\$Million)

Table 77 Other Applications For Baking Enzymes Market Revenue, By Type

(2012-2019) (\$Million)

Table 78 Mergers & Acquisitions (2010-2013)

Table 79 Agreements, Partnerships, Collaborations & Joint Ventures (2010-2013)

Table 80 New Product Development (2010-2013)

Table 81 Awards & Recognitions (2010-2013)

Table 82 Expansion & Investments (2010-2013)

Table 83 AB Enzymes: Products & Their Description

Table 84 AB Enzymes: Key Developments

Table 85 Advanced Enzymes: Products & Their Description

- Table 86 Advanced Enzymes: Key Developments
- Table 87 DSM: Products & Their Description
- Table 88 Royal DSM: Key Developments
- Table 89 Mapsenzymes Limited: Products & Description
- Table 90 Novozymes: Products & Their Description
- Table 91 Novozymes: Key Developments
- Table 92 Stern Enzym: Products & Their Description
- Table 93 Amcor: Products & Description
- Table 94 Amano Enzymes: Products & Application
- Table 95 Amano Enzymes: Key Developments
- Table 96 Dyadic International Inc: Products & Their Descriptions
- Table 97 Dyadic International Inc: Key Developments
- Table 98 Engrain: Products & Their Description
- Table 99 Engrain: Key Developments
- Table 100 Puratos Group NV: Products & Their Description
- Table 101 Puratos Group NV: Key Developments
- Table 102 E.I.Dupont: Products & Their Description
- Table 103 E.I.Dupont: Key Developments

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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