

Carbohydrase Market by Applications (Food & Beverage, Animal Feed, Pharmaceuticals and Others), by Type (Amylases, Cellulases, and Others), Source (Microorganisms, Animals, and Plants) and by Geography - Global Trends & Forecasts to 2019

<https://marketpublishers.com/r/C5CFF8C347BEN.html>

Date: April 2014

Pages: 233

Price: US\$ 5,650.00 (Single User License)

ID: C5CFF8C347BEN

Abstracts

Enzymes, used as processing aids, are the key differentiation factors for industrial manufacturers and a great source of product innovation and differentiation. The market for carbohydrase is expected to experience a growth of 6.6% from 2013 to 2019. The estimation is a result of regular research and developments in the industry, with widening application of carbohydrases, which are mainly involved in the conversion of carbohydrates to simple sugars.

Carbohydrase has major applications within the food and beverage industry, in dairy, baking, alcohol production, brewing and others, thus making it the type of food and beverages enzyme having the widest usage. China and the U.S. are important players in this market due to the extensive demand in industries.

The segments of the carbohydrase market include geography, applications, types and sources. The market includes the applications such as food & beverage, animal feed, pharmaceuticals, and others. All functions of carbohydrases in every application have been considered in the study and the market has been segmented based on the same. The growth rate of carbohydrases 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.

FIGURE-1 CARBOHYDRASES MARKET SIZE, BY GEOGRAPHY 2013-2019 (\$MILLION)

Contents

1 INTRODUCTION

- 1.1 Key Takeaways
- 1.2 Report Description
- 1.3 Markets Covered
- 1.4 Stakeholders
- 1.5 Research Methodology
 - 1.5.1 Market Size Estimation
 - 1.5.2 Market Breakdown & Data Triangulation
 - 1.5.3 Carbohydrases Market: Market Estimation
 - 1.5.4 Assumptions Made For This Report
 - 1.5.5 Key Data Points Taken From Secondary Sources
 - 1.5.6 Key Data Points Taken From Primary Sources

2 EXECUTIVE SUMMARY

3 PREMIUM INSIGHTS

- 3.1 Carbohydrases Market Overview
 - 3.1.1 Key Features
 - 3.1.2 Global &Regional Overview
 - 3.1.3 Global & Regional Overview, By Application
 - 3.1.4 North America - Dominating Market
 - 3.1.5 U.S.– Leader of North America & The World
 - 3.1.6 Microbial Source-Most Preferred
 - 3.1.7 Food &Beverage –The Biggest Application Market
 - 3.1.8 Carbohydrases Market: By Country
 - 3.1.9 Novozymes –Market Leader: Strategy Followed –New Product Launch
 - 3.1.10 SWOT Analysis

4 TOTAL ADDRESSABLE MARKET

- 4.1 Introduction
 - 4.1.1 Dairy
 - 4.1.2 Baking
 - 4.1.3 Alcohol
 - 4.1.4 Brewing

- 4.1.5 Beverages
- 4.1.6 Animal Feed
- 4.1.7 Textile
- 4.1.8 Pharmaceuticals
- 4.1.9 Pulp & Paper
- 4.1.10 Cleaning Agents
- 4.1.11 Bio-Fuel
- 4.1.12 Grain Processing

5 MARKET OVERVIEW

- 5.1 Introduction
- 5.2 Market Segmentation
- 5.3 Winning Imperatives
 - 5.3.1 New Product Development
- 5.4 Market Dynamics
 - 5.4.1 Drivers
 - 5.4.1.1 Emerging Applications
 - 5.4.1.2 Rapid Growth in Pharmaceutical Industry
 - 5.4.1.3 Growing Demand in Asia-Pacific
 - 5.4.1.4 Technological Advances in Enzyme Engineering
 - 5.4.2 Restraints
 - 5.4.2.1 Temperature and Ph on α -Amylase Activity
 - 5.4.2.2 High Cost of Production
 - 5.4.3 Opportunities
 - 5.4.3.1 Cellulases: Application in Biomass Production
 - 5.4.3.2 Application of Carbohydrases in Bio-Refinery Development
 - 5.4.3.3 Research and Development in Amylase
- 5.5 Porter's Five Forces Analysis
 - 5.5.1 Degree of Competition
 - 5.5.2 Bargaining Power of Suppliers
 - 5.5.3 Bargaining Power of Customers
 - 5.5.4 Threat From New Entrants
 - 5.5.5 Threat From Substitutes

6 CARBOHYDRASE MARKET, BY GEOGRAPHY

- 6.1 Introduction
- 6.2 North America (U.S., Canada, Mexico)

6.3 Europe (Germany, U.K., France, Italy,)

6.4 Asia-Pacific (China, Japan, India)

6.5 ROW (South Africa, Brazil)

7 CARBOHYDRASE MARKET, BY APPLICATION

7.1 Introduction

7.2 Food & Beverages

7.2.1 Baking

7.2.2 Beverages

7.2.3 Dairy

7.3 Animal Feed

7.4 Pharmaceuticals

7.5 Others

7.5.1 Pulp & Paper

7.5.2 Textile

8 CARBOHYDRASES: GRAIN PROCESSING MARKET OVERVIEW

8.1 Introduction

8.2 Enzymes Involved in Processing Grain Products

8.2.1 Baking Industry

8.2.2 Textile Sector

8.2.3 Alcohol Production

8.2.4 Primary Starch Conversion

8.3 Grain Processing Carbohydrase Market

9 CARBOHYDRASE MARKET, BY TYPE

9.1 Introduction

9.2 Amylases

9.3 Cellulases

9.4 Others

9.4.1 Pectinases

9.4.2 Lactase

10 CARBOHYDRASES MARKET, BY SOURCE

10.1 Introduction

10.2 Microorganisms

10.3 Animals

10.4 Plants

11 COMPETITIVE LANDSCAPE

11.1 Introduction

11.1.1 New Product Launches and R&D – Most Preferred Strategies

11.1.2 Key Market Strategies

11.2 Agreements/Partnerships/Collaborations/Joint Ventures

11.3 New Product Launches & Research and Development

11.4 Mergers & Acquisitions

11.5 Expansions & Investments

12 COMPANY PROFILES (COMPANY AT A GLANCE, RECENT FINANCIALS, PRODUCTS & SERVICES, STRATEGIES & INSIGHTS, & RECENT DEVELOPMENTS)

12.1 Amano Enzyme Inc.

12.2 Dyadic International, Inc.

12.3 AB Enzymes GmbH

12.4 Novozymes

12.5 Advanced Enzymes

12.6 Royal DSM

12.7 CHR. Hansen Holding A/S

12.8 Verenium

12.9 Specialty Enzymes

12.1 E.I. DuPont de Nemours & Co. (DuPont) Msds. (Details on Company At A Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent Developments Might Not Be Captured in Case of Unlisted Companies.)

List Of Tables

LIST OF TABLES

Table 1 Global Carbohydases Market Size, (\$Million), 2012-2019

Table 2 Market Facts: Carbohydase

Table 3 Addressable Market For Carbohydases, 2014-2019 (\$Million)

Table 4 Carbohydase Market Size, By Geography, 2012-2019 (\$Million)

Table 5 North America: Carbohydase Market Size, By Country, 2012-2019 (\$Million)

Table 6 North America: Carbohydase Market Size, By Source, 2012-2019 (\$Million)

Table 7 North America: Carbohydase Market Size, By Application, 2012-2019 (\$Million)

Table 8 North America: Carbohydase Market Size, By Type, 2012-2019 (\$Million)

Table 9 U.S.: Carbohydases Market Size, By Source, 2012-2019 (\$Million)

Table 10 U.S.: Carbohydase Market Size, By Application, 2012-2019 (\$Million)

Table 11 U.S.: Carbohydases Market Size, By Type, 2012-2019 (\$Million)

Table 12 Canada: Carbohydase Market Size, By Source, 2012-2019 (\$Million)

Table 13 Canada: Carbohydases Market Size, By Application, 2012-2019 (\$Million)

Table 14 Canada: Carbohydase Market Size, By Type, 2012-2019 (\$Million)

Table 15 Mexico: Carbohydases Market Size, By Source, 2012-2019 (\$Million)

Table 16 Mexico: Carbohydase Market Size, By Application, 2012-2019 (\$Million)

Table 17 Mexico: Carbohydase Market Size, By Type, 2012-2019 (\$Million)

Table 18 Europe: Carbohydase Market Size, By Country, 2012-2019 (\$Million)

Table 19 Europe: Carbohydases Market Size, By Source, 2012-2019 (\$Million)

Table 20 Europe: Carbohydase Market Size, By Application, 2012-2019 (\$Million)

Table 21 Europe: Carbohydases Market Size, By Type, 2012-2019 (\$Million)

Table 22 Germany: Carbohydase Market Size, By Source, 2012-2019 (\$Million)

Table 23 Germany: Carbohydases Market Size, By Application, 2012-2019 (\$Million)

Table 24 Germany: Carbohydase Market Size, By Type, 2012-2019 (\$Million)

Table 25 France: Carbohydases Market Size, By Source, 2012-2019 (\$Million)

Table 26 France: Carbohydase Market Size, By Application, 2012-2019 (\$Million)

Table 27 France: Carbohydase Market Size, By Type, 2012-2019 (\$Million)

Table 28 U.K.: Carbohydase Market Size, By Source, 2012-2019 (\$Million)

Table 29 U.K.: Carbohydases Market Size, By Application, 2012-2019 (\$Million)

Table 30 U.K.: Carbohydase Market Size, By Type, 2012-2019 (\$Million)

Table 31 Rest of Europe: Carbohydase Market Size, By Source, 2012-2019 (\$Million)

Table 32 Rest of Europe: Carbohydases Market Size, By Application, 2012-2019 (\$Million)

Table 33 Rest of Europe: Carbohydase Market Size, By Type, 2012-2019 (\$Million)

Table 34 Asia-Pacific: Carbohydases Market Size, By Country, 2012-2019 (\$Million)

Table 35 Asia-Pacific: Carbohydrase market Size, By Source, 2012-2019 (\$Million)

Table 36 Asia-Pacific: Carbohydrase Market Size, By Application, 2012-2019 (\$Million)

Table 37 Asia-Pacific: Carbohydrase Market Size, By Type, 2012-2019 (\$Million)

Table 38 China: Carbohydrases Market Size, By Source, 2012-2019 (\$Million)

Table 39 Japan: Carbohydrase Market Size, By Application, 2012-2019 (\$Million)

Table 40 China: Carbohydrases Market Size, By Type, 2012-2019 (\$Million)

Table 41 Japan: Carbohydrase Market Size, By Source, 2012-2019 (\$Million)

Table 42 Japan: Carbohydrase Market Size, By Application, 2012-2019 (\$Million)

Table 43 Japan: Carbohydrase Market Size, By Type, 2012-2019 (\$Million)

Table 44 India: Carbohydrases Market Size, By Source, 2012-2019 (\$Million)

Table 45 India: Carbohydrase Market Size, By Application, 2012-2019 (\$Million)

Table 46 India: Carbohydrase Market Size, By Type, 2012-2019 (\$Million)

Table 47 Rest of Asia-Pacific: Carbohydrase Market Size, By Source, 2012-2019 (\$Million)

Table 48 Rest of Asia-Pacific: Carbohydrases Market Size, By Application, 2012-2019 (\$Million)

Table 49 Rest of Asia-Pacific: Carbohydras Market Size, By Type, 2012-2019 (\$Million)

Table 50 ROW: Carbohydrase Market Size, By Country, 2012-2019 (\$Million)

Table 51 ROW: Carbohydrases Market Size, By Source, 2012-2019 (\$Million)

Table 52 ROW: Carbohydrase Market Size, By Application, 2012-2019 (\$Million)

Table 53 ROW: Carbohydrases Market Size, By Type, 2012-2019 (\$Million)

Table 54 South Africa: Carbohydrase Market Size, By Source, 2012-2019 (\$Million)

Table 55 South Africa: Carbohydrase Market Size, By Application, 2012-2019 (\$Million)

Table 56 South Africa: Carbohydrase Market Size, By Type, 2012-2019 (\$Million)

Table 57 Brazil: Carbohydrase Market Size, By Source, 2012-2019 (\$Million)

Table 58 Brazil: Carbohydrase Market Size, By Application, 2012-2019 (\$Million)

Table 59 Brazil: Carbohydrase Market Size, By Type, 2012-2019 (\$Million)

Table 60 Others: Carbohydrase Market Size, By Source, 2012-2019 (\$Million)

Table 61 Others: Carbohydrase Market Size, By Application, 2012-2019 (\$Million)

Table 62 Others: Carbohydrase Market Size, By Type, 2012-2019 (\$Million)

Table 63 Carbohydrase Market Size, By Application, 2012-2019 (\$Million)

Table 64 Carbohydrase in Food & Beverage Applications

Table 65 Food & Beverage: Carbohydrases Market Size, By Geography (2012-2019) (\$Million)

Table 66 Food & Beverage: Carbohydrase Market Size, By Type (2012-2019) (\$Million)

Table 67 Animal Feed: Carbohydrases Market Size, By Geography (2012-2019) (\$Million)

Table 68 Animal Feed: Carbohydrase Market Size, By Type (2012-2019) (\$Million)

Table 69 Pharmaceuticals: Carbohydrases Market Size, By Geography (2012-2019)

(\$Million)

Table 70 Pharmaceuticals: Carbohydrase Market Size, By Type (2012-2019) (\$Million)

Table 71 Other Applications: Carbohydrases Market Size, By Geography (2012-2019) (\$Million)

Table 72 Other Applications: Carbohydrase Market Size, By Type (2012-2019) (\$Million)

Table 73 Industrial Players in Enzymes For Grain Processing & Their Products

Table 74 Enzymes Involved in Grain Processing

Table 75 Carbohydrases: Market Size, By Type, 2012-2019 (\$Million)

Table 76 Amylases: Market Size, By Geography, 2012-2019 (\$Million)

Table 77 Amylases: Market Size, By Application, 2012-2019 (\$Million)

Table 78 Cellulases: Market Size, By Geography, 2012-2019 (\$Million)

Table 79 Cellulases: Market Size, By Application, 2012-2019 (\$Million)

Table 80 Others: Market Size, By Geography, 2012-2019 (\$Million)

Table 81 Others: Market Size, By Application, 2012-2019 (\$Million)

Table 82 Carbohydrase Market Size, By Source, 2012-2019 (\$Million)

Table 83 Microorganisms: Carbohydrases Market Size, By Geography, 2012-2019 (\$Million)

Table 84 Animals: Carbohydrase Market Size, By Geography, 2012-2019 (\$Million)

Table 85 Plants: Carbohydrases Market Size, By Geography, 2012-2019 (\$Million)

Table 86 Agreements/Partnerships/Collaborations/Joint Ventures (2010-2014)

Table 87 New Product Launch/Research & Development(2010-2014)

Table 88 Acquisitions (2010-2014)

Table 89 Expansions & Investments (2010-2014)

Table 90 Amano Enzyme Inc.: Products & Their Description

Table 91 Dyadic International: Products & Their Description

Table 92 AB Enzymes: Products & Their Description

Table 93 DSM: Products & Their Description

List Of Figures

LIST OF FIGURES

Figure 1 Research Methodology

Figure 2 Carbohydase: Market Size Estimation Methodology

Figure 3 Data Triangulation Methodology

Figure 4 Carbohydases Market Share, 2012

Figure 5 Global & Regional Carbohydase Market Share (Value), 2012-2019

Figure 6 Global & Regional Carbohydases Market Share (Value), By Application, 2012

Figure 7 North American Carbohydases Market Share (Value), 2012

Figure 8 U.S.: Market Share in North America (Value), 2012-2019

Figure 9 Carbohydases Market Share (Value) & Growth Trend, By Source, 2012-2019

Figure 10 Carbohydase Market Share (Value) & Growth Trend: By Application

Figure 11 Carbohydases Market Overview, By Country, 2014 Vs 2019 (\$Million)

Figure 12 Carbohydase Market: Industrial Players, By Growth Strategy

Figure 13 Carbohydases Market: SWOT Analysis

Figure 14 Carbohydase Market Segmentation

Figure 15 Winning Imperative: New Product Development

Figure 16 Porter Model Analysis: Carbohydases Market

Figure 17 Carbohydase Market Share (Value), By Geography, 2012

Figure 18 North American Carbohydases Market

Figure 19 Western Europe & Eastern Europe: Carbohydase Market

Figure 20 European Carbohydases Market

Figure 21 Asia-Pacific: Carbohydase Market

Figure 22 ROW: Carbohydases Market

Figure 23 Grain Processing Carbohydase: Sector-Wise Market Share (Value), 2010-2019

Figure 24 Grain Processing Carbohydasesmarket Size (Value) & Growth Trend

Figure 25 Grain Processing Carbohydase Market Size (Value), By Sector

Figure 26 Carbohydases Market, By Type

Figure 27 Carbohydase Market Size, By Source (2014-2019)

Figure 28 Carbohydases Market Growth Strategies, 2010-2014

Figure 29 Carbohydase Market Developments, By Growth Strategy, 2010-2014

Figure 30 Agreements/Partnerships/Collaborations/Joint Ventures (2011-2013)

Figure 31 New Product Launches, Research & Development, 2010-2014

Figure 32 Mergers & Acquisitions, 2010-2014

Figure 33 Expansions & Investments, 2012-2014

I would like to order

Product name: Carbohydrase Market by Applications (Food & Beverage, Animal Feed, Pharmaceuticals and Others), by Type (Amylases, Cellulases, and Others), Source (Microorganisms, Animals, and Plants) and by Geography - Global Trends & Forecasts to 2019

Product link: <https://marketpublishers.com/r/C5CFF8C347BEN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C5CFF8C347BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970