Industrial Enzymes Market by Type, Application, Brands & by Region - Global Trends and Forecasts to 2020

Description: "Industrial Enzymes Market by Type (Carbohydrases, Proteases, Non-starch Polysaccharides & Others), Application (Food & Beverage, Cleaning Agents, Animal Feed & Others), Brands & by Region - Global Trends and Forecasts to 2020"

The industrial enzymes market is growing with increase in the applications of industrial enzymes. The industrial enzymes market was valued at USD 4.2 billion in 2014 and is projected to reach USD 6.2 billion by 2020, at a CAGR of 7.0% from 2015 to 2020. The market is driven by factors such as increase in investments in research and developments in industrial enzymes, the increase in demand of consumer goods and biofuels, and the need for cost reduction and resource optimization in production process. Industrial enzymes are used as an alternative of synthetic chemicals. The innovations in technology and increase in the applications provides opportunities for emerging market players.

The food & beverage segment dominated the industrial enzymes market and is projected to reach a value of USD 2.0 billion by 2020. It is projected to grow at the rate of around 7.5% between 2015 and 2020. By type, the carbohydrases segment dominated the market and is projected to grow at the highest CAGR of 7.5% from 2015 to 2020. The key market players adopt strategies such as new product developments, expansions, acquisitions, partnerships, and collaborations to develop their position in the industrial enzymes market. The Asia-Pacific region is projected to grow at the highest CAGR from 2015 to 2020. The increase in disposable incomes and change in lifestyle of the population in the Asia-Pacific region has resulted in an increase in the demand of consumer goods which has resulted the growth of the industrial enzymes market in this region.

The industrial enzymes market is segmented on the basis of applications. The applications considered for the research are food & beverage, cleaning agents, animal feed, and others that include textile & leather, water treatment, and pulp & paper among others. The types of industrial enzymes which are used to manufacture enzymes for various applications are also classified in the report. The key players in this market are BASF SE (Germany), E.I. du Pont de Nemours and Company (U.S.), Associated British Foods plc (U.K.), Koninklijke DSM N.V (The Netherlands), and Novozymes A/S (Germany).

Contents:

1 Introduction
1.1 Objectives of the Study
1.2 Market Definition
1.3 Market Scope
1.3.1 Markets Covered
1.3.2 Years Considered in the Report
1.4 Currency and Pricing
1.5 Limitations
1.6 Stakeholders

2 Research Methodology
2.1 Research Data
2.1.1 Secondary Data
2.1.1.1 Key Data from Secondary Sources
2.1.2 Primary Data
2.1.2.1 Key Data from Primary Sources
2.1.2.2 Key Industry Insights
2.1.2.2.1 Breakdown of Primaries by Company Type, Designation, And Region
2.2 Factor Analysis
2.2.1 Introduction
2.2.2 Demand-Side Analysis
2.2.2.1 Rising Disposable Income
2.2.2.2 Rising Urbanization
2.2.2.3 Increase in Application of Enzymes
2.2.3 Supply-Side Analysis
2.2.3.1 Investment in R&D for the Development of New Products And Solutions for Industrial Enzymes
2.3 Market Size Estimation
2.4 Market Breakdown & Data Triangulation
2.5 Market Share Estimation
2.6 Research Assumptions & Limitations
2.6.1 Assumptions
2.6.2 Limitations

3 Executive Summary

4 Premium Insights
4.1 Attractive Opportunities in the Industrial Enzymes Market
4.2 Industrial Enzymes Market Size, by Application
4.3 Industrial Enzymes Market in Asia-Pacific Region
4.4 India to Grow At Highest Cagr in the Industrial Enzymes Market, 2015-2020
4.5 Industrial Enzymes Market Life Cycle Analysis, by Region

5 Market Overview
5.1 Introduction
5.2 Market Segmentation
5.3 Evolution
5.4 Market Dynamics
5.4.1 Drivers
5.4.1.1 Investment in Research & Development of Industrial Enzymes
5.4.1.2 Increase in Demand for Consumer Products
5.4.1.3 Increase in Demand for Biofuel
5.4.1.4 Need for Cost Reduction and Resource Optimization
5.4.2 Restraints
5.4.2.1 Rules and Regulations
5.4.2.2 Lack of Transparency in Patent Protection Laws
5.4.3 Opportunities
5.4.3.1 Alternatives of Synthetic Chemicals
5.4.3.2 Technological Innovations and Increase in Number of Applications
5.4.4 Challenges
5.4.4.1 Concerns Related to Safety, Quality, and Acceptance of Products

6 Industry Trends
6.1 Introduction
6.2 Value Chain Analysis
6.3 Supply Chain
6.4 Industry Insights
6.5 Porter’S Five Forces Analysis
6.5.1 Threat of New Entrants
6.5.2 Threat of Substitutes
6.5.3 Bargaining Power of Suppliers
6.5.4 Bargaining Power of Buyers
6.5.5 Intensity of Competitive Rivalry

6.6 Pest Analysis
6.6.1 Political/Legal Factors
6.6.1.1 Stringent International Regulations Over Industrial Enzymes
6.6.1.1.1 Enzyme Regulation in Australia & New Zealand
6.6.1.1.2 Enzyme Regulation in Europe
6.6.1.1.3 Enzyme Regulation in the U.S.
6.6.2 Economic Factors
6.6.2.1 Key Role of Enzymes in Production
6.6.3 Social Factors
6.6.3.1 Consumer Acceptance of Industrial Enzymes
6.6.4 Technological Factors
6.6.4.1 Technical Complexity Related to Enzyme Development
6.7 Strategic Benchmarking

7 Industrial Enzymes Market, by Type
7.1 Introduction
7.2 Carbohydrases
7.2.1.1 Amylases
7.2.1.2 Cellulases
7.2.1.3 Other Carbohydrases
7.3 Protease
7.4 Non-Starch Polysaccharides (Nsp)
7.5 Others

8 Industrial Enzymes Market, by Brand
8.1 Introduction
8.2 Protease Plus
8.3 Powerflex
8.4 Ronozyme
8.5 Easyzyme

9 Industrial Enzymes Market, by Application
9.1 Introduction
9.2 Food & Beverages
9.2.1 Beverages
9.2.2 Dairy
9.2.3 Bakery
9.3 Cleaning Agents
9.3.1.1 Laundry Detergent
9.3.1.2 Automatic Dishwashing Detergent
9.4 Animal Feed
9.4.1 Key Features
9.4.1.1 Improves Feed Digestibility
9.4.1.2 Helps in Growth and Provides Energy
9.5 Other Enzymes

10 Industrial Enzymes Market, by Region
10.1 Introduction
10.2 North America
10.2.1 U.S.
10.2.2 Canada
10.2.3 Mexico
10.3 Europe
10.3.1 Germany
10.3.2 U.K.
10.3.3 France
10.3.4 Rest of Europe
10.4 Asia-Pacific
10.4.1 China
10.4.2 India
10.4.3 Japan
10.4.4 Rest of Asia-Pacific
10.5 Row
10.5.1 South Africa
10.5.2 Brazil
10.5.3 Others in Row

11 Competitive Landscape
11.1 Overview
11.2 Market Share Analysis
11.3 Competitive Situation & Trends
11.3.1 Expansions & Investments
11.3.2 Mergers & Acquisitions
11.3.3 New Product Launches
11.3.4 Agreements & Partnerships
12 Company Profiles
(Company At A Glance, Business Overview, Products Offered, Key Strategy, Recent Developments, Swot Analysis & Mnm View)*
12.1 Introduction
12.2 Basf Se
12.3 E. I. Du Pont De Nemours and Company
12.4 Associated British Foods Plc
12.5 Koninklijke Dsm N.V
12.6 Novozymes A/S
12.7 Adisseo France Sas
12.8 Chr. Hansen A/S
12.9 Codexis Incorporated
12.10 Dyadic International Incorporated
12.11 Amano Enzyme Incorporated
*Details On Company At A Glance, Recent Financials, Products Offered, Strategies & Insights, & Recent Developments Might Not be Captured in Case of Unlisted Companies.

13 Appendix
13.1 Insights of Industry Experts
13.2 Discussion Guide
13.3 Company Developments
13.3.1 New Product Launches/Developments
13.3.2 Agreements, Partnerships, Joint Ventures & Collaborations
13.3.3 Mergers & Acquisitions
13.3.4 Expansions & Investments
13.4 Introducing Rt: Real Time Market Intelligence
13.5 Available Customizations
13.6 Related Reports

List of Tables:
Table 1 Years Considered for the Study
Table 2 List of Business Regulators
Table 3 Permitted Enzymes in European Union
Table 4 Enzyme Preparations Approved as Food Additives Listed in 21 Cfr 173 and Affirmed as Gras in 21Cfr 184
Table 5 List of Enzymes Used in Industries
Table 6 Industrial Enzymes Market Size, by Type, 2013-2020 (USD Billion)
Table 7 Carbohydrases in Industrial Enzymes Market Size, by Region, 2013-2020 (USD Million)
Table 8 Use of Amylases in Different Sectors
Table 9 Carbohydrases in Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 10 Types of Protease and Their Sources
Table 11 Proteases in Industrial Enzymes Market Size, by Region, 2013-2020 (USD Million)
Table 12 Non-Starch Polysaccharides in Industrial Enzymes Market Size, By Region, 2013-2020 (USD Million)
Table 13 Other Industrial Enzymes Market Size, by Region, 2013-2020 (USD Million)
Table 14 Industrial Enzymes Market Size, by Application, 2013-2020 (USD Billion)
Table 15 Enzyme Application in the Dairy Industry
Table 16 Enzyme Application in the Baking Industry
Table 17 Enzyme Application in the Juice Industry
Table 18 Enzyme Application in the Brewing Industry
Table 19 Industrial Enzymes Market Size for Food & Beverages, by Region, 2013-2020 (USD Million)
Table 20 Industrial Enzymes Market Size for Food & Beverages, by Type, 2013-2020 (USD Million)
Table 21 Enzyme Application in Laundry Detergents
Table 22 Industrial Enzymes Market Size for Cleaning Agents, by Region, 2013-2020 (USD Million)
Table 23 Industrial Enzymes Market Size for Cleaning Agents, by Application, 2013-2020 (USD Million)
Table 24 Industrial Enzymes Market Size for Animal Feed, by Region, 2013-2020 (USD Million)
Table 25 Industrial Enzymes Market Size for Animal Feed, by Type, 2013-2020 (USD Million)
Table 26 Industrial Enzymes Market Size for Other Enzymes, by Region, 2013-2020 (USD Million)
Table 27 Industrial Enzymes Market Size, by Region, 2013–2020 (USD Million)
Table 29 North America: Industrial Enzymes Market Size, by Application, 2013–2020 (USD Million)
Table 30 North America: Cleaning Agents Market, by Country, 2013–2020 (USD Million)
Table 31 North America: Industrial Enzymes Market Size, by Type, 2013–2020 (USD Million)
Table 32 North America Carbohydrases Market, by Country, 2013 - 2020 (USD Million)
Table 33 U.S.: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 34 U.S.: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 35 Canada: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 36 Canada: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 37 Mexico: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 38 Mexico: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 39 Europe: Industrial Enzymes Market Size, by Country, 2013-2020 (USD Million)
Table 40 Europe: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 41 Europe: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 42 Europe Carbohydrases Market, by Country, 2013 - 2020 (USD Million)
Table 43 Europe: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 44 Germany Industrial Enzymes Market, by Application, 2013 - 2020 (USD Million)
Table 45 Germany: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 46 U.K.: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 47 U.K.: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 48 France: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 49 France: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 50 Rest of Europe: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 51 Rest of Europe: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 52 Asia-Pacific: Industrial Enzymes Market Size, by Country, 2013-2020 (USD Million)
Table 53 Asia-Pacific: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 54 Asia-Pacific: Food & Beverage Market, by Country 2013–2020 (USD Million)
Table 55 Asia-Pacific Industrial Enzymes Market, by Type, 2013 - 2020 (USD Million)
Table 56 Asia-Pacific Carbohydrases Market, by Country, 2013 - 2020 (USD Million)
Table 57 China: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 58 China: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 59 India: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 60 India: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 61 Japan: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 62 Japan: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 63 Rest of Asia-Pacific: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 64 Rest of Asia-Pacific: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 65 Row: Industrial Enzymes Market Size, by Country, 2013-2020 (USD Million)
Table 66 Row: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 67 Row: Cleaning Agents Market, by Country, 2013 - 2020 (USD Million)
Table 68 Row: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 69 Row Carbohydrases Market, by Country, 2013 - 2020 (USD Million)
Table 70 South Africa: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 71 South Africa: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 72 Brazil: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 73 Brazil: Industrial Enzymes Market Size, by Type, 2013-2020 (USD Million)
Table 74 Others in Row: Industrial Enzymes Market Size, by Application, 2013-2020 (USD Million)
Table 75 Others in Row: Industrial Enzymes Market Size, by Type, 2013 - 2020 (USD Million)
Table 76 Expansions & Investments, 2010-2015
Table 77 Mergers & Acquisitions, 2010-2015
Table 78 New Product Launches, 2010-2015
Table 79 Agreements & Partnerships

List of Figures:
Figure 1 Industrial Enzymes Market Segmentation
Figure 2 Geographic Scope
Figure 3 Years Considered
Figure 4 Industrial Enzymes Market: Research Design
Figure 5 Increase in Global Per Capita Disposable Income
Figure 6 Market Size Estimation Methodology: Bottom-Up Approach
Figure 7 Market Size Estimation Methodology: Top-Down Approach
Figure 8 Data Triangulation Methodology
Figure 9 Industrial Enzymes Market Snapshot, 2015 Vs. 2020
Figure 10 Food & Beverage and Cleansing Agents: Most Attractive Source Segments for Investment from 2015 to 2020
Figure 11 Asia-Pacific Projected to Register High Growth Rate, 2015-2020
Figure 12 Industrial Enzymes Market Size, by Region, 2015-2020 (USD Million)
Figure 13 Industrial Enzymes Market Size, by Application, 2015–2020
Figure 14 Food & Beverage Segment Accounted for the Largest Share in Asia-Pacific Industrial Enzymes Market in 2014
Figure 15 Industrial Enzymes Market Size, by Region, 2015 Vs. 2020 (USD Million)
Figure 16 Industrial Enzymes Market Growth Rate, by Country, 2015-2020
Figure 17 Industrial Enzymes Market in Asia-Pacific is Experiencing High Growth from 2015 to 2020
Figure 18 Industrial Enzymes - Market Segmentation
Figure 19 Evolution of Industrial Enzymes (1900-2000)
Figure 20 Factors Affecting the Growth of Industrial Enzymes Market
Figure 21 Industrial Enzymes for Food & Beverage Applications Dominated the Overall Industrial Enzymes Market in 2014
Figure 22 Enzyme Development Contributes Maximum Value to the Overall Industrial Enzymes Market
Figure 23 Enzyme Development & Production Plays A Vital Role in the Supply Chain
Figure 24 Key Players are Adopting Various Strategies to Gain Market Share
Figure 25 Porter's Five Forces Analysis: Development and Launch of New Products Have Intensified Industrial Rivalry
Figure 26 Strategic Benchmarking: New Product Development is the Preferred Organic Growth Strategy
Figure 27 Asia-Pacific is Projected to Grow With Highest Cagr During the Forecast Period
Figure 28 North America Had Largest Market Size for Proteases Segment in 2014
Figure 29 Overview: Industrial Enzymes Market Size for Non-Starch Polysaccharides, by Region, 2014 & 2020
Figure 30 Overview: Industrial Enzymes Market Size for Other Enzymes, By Region, 2014 & 2020
Figure 31 Asia-Pacific Region is Projected to Grow With Highest Cagr From 2015 to 2020 for Food & Beverages Segment
Figure 32 North America Had the Largest Market Size for Cleaning Agents Segment in 2014
Figure 33 Overview: Industrial Enzymes Market for Animal Feed 2014 & 2020
Figure 34 Asia-Pacific Region is Projected to Grow With Highest Cagr From 2015 to 2020
Figure 35 Geographic Snapshot (2015-2020): Rapidly Growing Markets are Emerging as New Hot Spots
Figure 36 North American Industrial Enzymes Market: A Snapshot
Figure 37 European Industrial Enzymes Market: A Snapshot
Figure 38 Asian-Pacific Industrial Enzymes Market: A Snapshot
Figure 39 Key Growth Strategies Adopted by the Companies from 2010 to 2015
Figure 40 Novozymes A/S Was the Most Active Company in the Industrial Enzymes Market Between January 2010 & July 2015
Figure 41 New Product Launches Dominated the Industrial Enzymes Industry from 2012 to 2014
Figure 42 New Product Launches: the Key Growth Strategy
Figure 43 Annual Developments in Industrial Enzymes Market, 2010-2015
Figure 44 Geographic Revenue Mix of Top 5 Market Players
Figure 45 Basf Se: Company Snapshot
Figure 46 Basf Se: Swot Analysis
Figure 47 E. I. Du Pont De Nemours and Company: Company Snapshot
Figure 48 E. I Du Pont De Nemours and Company: Swot Analysis
Figure 49 Associated British Food Plc: Company Snapshot
Figure 50 Associated British Foods Plc: Swot Analysis
Figure 51 Koninklijke Dsm N.V: Company Snapshot
Figure 52 Koninklijke Dsm N.V: Swot Analysis
Figure 53 Novozymes A/S: Company Snapshot
Figure 54 Novozymes A/S: Swot Analysis
Figure 55 Chr. Hansen A/S: Company Snapshot
Figure 56 Codexis Incorporated: Company Snapshot
Figure 57 Dyadic International Incorporated: Company Snapshot

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3397253/
Order by Fax - using the form below
Order by Post - print the order form below and send to
Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Industrial Enzymes Market by Type, Application, Brands & by Region - Global Trends and Forecasts to 2020
Web Address: http://www.researchandmarkets.com/reports/3397253/
Office Code: SCH375T9

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Format Description</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td></td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td></td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License</td>
<td></td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td></td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card:
   You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check:
   Please post the check, accompanied by this form, to:
   Research and Markets,
   Guinness Center,
   Taylors Lane,
   Dublin 8,
   Ireland.

☐ Pay by wire transfer:
   Please transfer funds to:
   Account number 833 130 83
   Sort code 98-53-30
   Swift code ULSBIE2D
   IBAN number IE78ULSB98533083313083
   Bank Address Ulster Bank,
   27-35 Main Street,
   Blackrock,
   Co. Dublin,
   Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp