

# **Specialty Enzymes Market by Type (Carbohydrases, Proteases, Lipases, Polymerases & Nucleases, and Other enzymes), Source, Application (pharmaceuticals, Research & Biotechnology, Diagnostics, and Biocatalysts), Form, and Region - Global Forecast to 2025**

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## **Abstracts**

“The specialty enzymes market is projected to grow at a CAGR of 6.9% during the forecast period.”

According to MarketsandMarkets, the specialty enzymes market is estimated to be valued at USD 4.4 billion in 2019 and is projected to reach USD 6.6 billion by 2025, recording a CAGR of 6.9% in terms of value. Factors such as the rise in demand for non-harmful biological catalysts in pharmaceuticals & diagnostics and advanced tools to optimize pharmaceutical production are projected to drive the growth of the specialty enzymes market during the forecast period. However, the growth of the specialty enzymes market is inhibited by factors, such as high adaption costs involved for small & medium-sized enterprises. In addition, the lack of harmonization in the regulatory framework for the use of specialty enzymes inhibits the growth of this market.

“By type, the proteases segment is projected to grow at the highest CAGR of 7.4% during the forecast period.”

The proteases segment is projected to reach USD 871.2 million by 2025, recording a CAGR of 7.4% in terms of value. Proteases are enzymes essential for the digestion of protein and have become significant for use in the pharmaceutical industry. They can hydrolyze all types of proteins, provided that they are not components of living

cells. These enzymes can be obtained from plants, animals, and microorganisms in several conditions, such as high salt concentrations.

“By source, the microorganisms segment is estimated to account for the largest share.”

Based on source, the specialty enzymes market is segmented into microorganisms, plants, and animals. The microorganisms segment is estimated to account for the largest share for the specialty enzymes market, as they are the primary source of specialty enzymes due to its special characteristics and other biochemical properties. In addition, microbial enzymes are an important source of raw materials for specialty applications due to their diversity. Key factors that encourage manufacturers to opt for enzymes from microbial sources are their active and stable nature and their capability to degrade a wide range of complex substrates into more useful energy sources.

“By region, the Asia Pacific region is projected to grow at the highest CAGR of 8.0% during the forecast period.”

The specialty enzymes market in the Asia Pacific region is largely driven by industrial shift and technological advancements that have made enzymes available for a wide range of applications. Developed markets such as North America and Western Europe are becoming mature, which has led to faster growth in developing markets such as Asia Pacific. Furthermore, the technological advancements in the pharmaceutical industry have contributed notably to the growth of the specialty enzymes market in this region.

The specialty enzymes market is segmented region-wise, with a detailed analysis of each region. These regions include North America, Europe, Asia Pacific, and RoW (Brazil, Argentina, South Africa, and RoW).

#### Break-up of Primaries

By Value Chain: Supply-side – 57% and Demand-side – 43%

By Designation: CXOs - 29%, Managers – 21%, and Executives – 50%

By Region: North America - 34%, Europe - 37%, Asia Pacific - 16%, and RoW - 13%

Leading players profiled in this report include the following:

BASF (Germany)

Novozymes (Denmark)

Roche Holding (Switzerland)

DuPont (US)

Codexis (US)

Dyadic International (US)

Advanced Enzymes (India)

Amano Enzymes (Japan)

Sanofi (France)

Biocatalysts (UK)

Enzyme Supplies (UK)

BBI Solutions (UK)

Specialty Enzymes & Probiotics (US)

Amicogen (South Korea)

Antozyme Biotech (India)

Enzyme Development Corporation (US)

Nagase & Co. Ltd. (Japan)

Sekisui Diagnostics (US)

Merck (Germany)

## Biovet (Bulgaria)

### Research Coverage

This report segments the specialty enzymes market on the basis of type, source, form, application, and region. In terms of insights, this research report focuses on various levels of analyses—competitive landscape, pricing insights, end-use analysis, and company profiles—which together comprise and discuss the basic views on the emerging & high-growth segments of the specialty enzymes market, high-growth regions, countries, industry trends, drivers, restraints, opportunities, and challenges.

### Reasons to buy this report

To get a comprehensive overview of the specialty enzymes market

To gain wide-ranging information about the top players in this industry, their product portfolio details, and the key strategies adopted by them

To gain insights about the major countries/regions, in which the specialty enzymes market is flourishing

## Contents

### 1 INTRODUCTION

#### 1.1 OBJECTIVES OF THE STUDY

#### 1.2 MARKET DEFINITION

#### 1.3 STUDY SCOPE

##### 1.3.1 REGIONS COVERED

##### 1.3.2 PERIODIZATION CONSIDERED

#### 1.4 CURRENCY CONSIDERED

#### 1.5 VOLUME UNIT CONSIDERED

#### 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

#### 2.2 FACTOR ANALYSIS

##### 2.2.1 INTRODUCTION

##### 2.2.2 DEMAND-SIDE ANALYSIS

##### 2.2.3 SUPPLY-SIDE ANALYSIS

#### 2.3 MARKET SIZE ESTIMATION

##### 2.3.1 APPROACH ONE (BASED ON APPLICATION, BY REGION)

##### 2.3.2 APPROACH TWO (BASED ON THE GLOBAL MARKET)

#### 2.4 DATA TRIANGULATION

#### 2.5 RESEARCH ASSUMPTIONS

#### 2.6 RESEARCH LIMITATIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

#### 4.1 ATTRACTIVE OPPORTUNITIES IN THE SPECIALTY ENZYMES MARKET

#### 4.2 SPECIALTY ENZYMES MARKET: MAJOR REGIONAL SUBMARKETS

#### 4.3 NORTH AMERICA: SPECIALTY ENZYMES MARKET, BY APPLICATION AND KEY COUNTRY

#### 4.4 SPECIALTY ENZYMES MARKET, BY TYPE AND REGION

#### 4.5 SPECIALTY ENZYMES MARKET, BY APPLICATION

### 5 MARKET OVERVIEW

#### 5.1 INTRODUCTION

#### 5.2 YC-YCC SHIFT

#### 5.3 ROLE OF SPECIALTY ENZYMES IN COMBATING THE COVID-19 (CORONAVIRUS) PANDEMIC

##### 5.3.1 BROAD-SPECTRUM ANTIVIRAL ADVANCEMENTS TO COMBAT CORONAVIRUS

5.3.1.1 ADP-ribosylation-based developments could be a potential vaccine component

5.3.1.2 Real-time reverse-transcription-polymerases chain reaction assay for COVID-19 has been developed and used in clinics

#### 5.4 VALUE CHAIN

#### 5.5 MARKET DYNAMICS

##### 5.5.1 DRIVERS

5.5.1.1 Rise in Demand for Non-harmful Biological Catalysts in Pharmaceuticals & Diagnostics

5.5.1.2 Advanced Tools to Optimize Pharmaceutical Production

##### 5.5.2 RESTRAINTS

5.5.2.1 Lack of Harmonization in the Regulatory Framework

5.5.2.2 High Adoption Costs involved for Small & Medium Enterprises

##### 5.5.3 OPPORTUNITIES

5.5.3.1 Alternative to Chemical Catalysts

5.5.3.2 Technological Innovations and Wide Industry Scope

5.5.3.3 Launching Enzymes with Long Shelf life

5.5.3.3.1 Encapsulation to enhance shelf life

##### 5.5.4 CHALLENGES

5.5.4.1 High Raw Material Costs Limiting Enzyme Usage

5.5.4.2 Concern Over Quality of Enzymes Used in Pharmaceuticals & Diagnostics

### 6 PATENT ANALYSIS

#### 6.1 INTRODUCTION

### 7 SPECIALTY ENZYMES MARKET, BY TYPE

## 7.1 INTRODUCTION

## 7.2 CARBOHYDRASES

### 7.2.1 AMYLASES

### 7.2.2 CELLULASES

### 7.2.3 OTHER CARBOHYDRASES

## 7.3 PROTEASES

7.3.1 COMPETENT CHARACTERISTIC TO HYDROLYZE THE PROTEINS IS USED IN DIAGNOSTICS TO REVERSE THE PROGRESSION OF THE DISEASE

## 7.4 LIPASES

7.4.1 RISE IN DEMAND AMONG PHARMACEUTICAL MANUFACTURERS AS LIPASES ADMINISTER ENZYME DEFICIENCIES IN HUMANS

## 7.5 POLYMERASES & NUCLEASES

7.5.1 POLYMERASES & NUCLEASES FORM AN ESSENTIAL PART FOR ALL NUCLEIC ACID PROCESSES

## 7.6 OTHER ENZYMES

7.6.1 FUNCTIONAL BENEFITS IN VARIOUS APPLICATIONS HAVE BEEN DRIVING THE MARKET FOR OTHER ENZYMES

# 8 SPECIALTY ENZYMES MARKET, BY APPLICATION

## 8.1 INTRODUCTION

## 8.2 PHARMACEUTICALS

8.2.1 ENZYMES ACT AS AN ALTERNATIVE TO TRADITIONAL ANTIBIOTICS

## 8.3 RESEARCH & BIOTECHNOLOGY

8.3.1 USE OF ENZYMES IN DNA SEQUENCING REDUCES THE COST FOR SEQUENCING TECHNIQUES

## 8.4 DIAGNOSTICS

8.4.1 DIAGNOSING LIFE-THREATENING DISEASES AT AN INITIAL STAGE DRIVES THE DEMAND FOR SPECIALTY ENZYMES

## 8.5 BIOCATALYSTS

8.5.1 BIOCATALYSIS IS A PROMISING TECHNOLOGY IN WASTE MATERIAL TREATMENT

# 9 SPECIALTY ENZYMES MARKET, BY SOURCE

## 9.1 INTRODUCTION

## 9.2 MICROORGANISMS

9.2.1 HUGE PRODUCTION IN LESSER TIME BOOSTS THE INDUSTRIAL USAGE OF MICROBIAL ENZYMES

## 9.3 PLANTS

9.3.1 PLANT-BASED ENZYMES THRIVE OVER A WIDE RANGE OF TEMPERATURES

## 9.4 ANIMALS

9.4.1 BEING TEMPERATURE-SENSITIVE DISCOURAGES THE INDUSTRIAL USAGE OF ANIMAL-BASED ENZYMES

# 10 SPECIALTY ENZYMES MARKET, BY FORM

## 10.1 INTRODUCTION

### 10.2 LIQUID

10.2.1 EASE OF USE IN THE DIAGNOSTIC INDUSTRY BOOSTS THE USAGE OF THE LIQUID FORM

### 10.3 DRY

10.3.1 DRY FORM ENABLES A BETTER ACCURACY OF DOSAGES

# 11 SPECIALTY ENZYMES MARKET, BY REGION

## 11.1 INTRODUCTION

### 11.2 NORTH AMERICA

#### 11.2.1 US

11.2.1.1 Increasing awareness among manufacturers pertaining to the enhanced product quality with the usage of enzymes to drive the market growth in the US

#### 11.2.2 CANADA

11.2.2.1 Enzymes usage has witnessed an increase in demand in cancer diagnosis

#### 11.2.3 MEXICO

11.2.3.1 Enzymes can be used in diagnostics to detect the changes in the substrate concentrations

### 11.3 EUROPE

#### 11.3.1 ITALY

11.3.1.1 Rise in production in the pharmaceutical industry could increase the demand for specialty enzymes

#### 11.3.2 GERMANY

11.3.2.1 Rise in research & development involved in the pharmaceutical industry drives the demand for enzymes

#### 11.3.3 FRANCE

11.3.3.1 Rise in clinical developments would impact the French biotechnology industry and increase the usage of specialty enzymes

#### 11.3.4 SPAIN



11.3.4.1 Spanish government's emphasis on developments in the pharmaceutical industry resulting in boosting the enzymes market

#### 11.3.5 UK

11.3.5.1 Enzymes used in the drug cloning technique could boost the market for specialty enzymes

#### 11.3.6 REST OF EUROPE

11.3.6.1 Growth in the pharmaceutical industry in most European countries driving the specialty enzymes market

### 11.4 ASIA PACIFIC

#### 11.4.1 CHINA

11.4.1.1 Technical advancements augmenting the demand for specialty enzymes in China

#### 11.4.2 INDIA

11.4.2.1 The rising demand in the pharmaceutical industry would boost the specialty enzymes market

#### 11.4.3 JAPAN

11.4.3.1 Growing biotechnology advancements in Japan would augment the demand for specialty enzymes

#### 11.4.4 AUSTRALIA & NEW ZEALAND

11.4.4.1 Favorable government regulations would increase biotechnology advancements, which would result in the rise in specialty enzymes usage

#### 11.4.5 REST OF ASIA PACIFIC

11.4.5.1 Developing countries in the Asia Pacific region present immense scope for the enzymes industry

### 11.5 REST OF THE WORLD

#### 11.5.1 BRAZIL

11.5.1.1 The emerging pharmaceutical industry in Brazil driving the demand for enzymes

#### 11.5.2 ARGENTINA

11.5.2.1 Technological pharmaceutical advancements would boost the market for enzymes

#### 11.5.3 SOUTH AFRICA

11.5.3.1 Rising demand for generic medicines boosts growth in the South African pharmaceutical industry

#### 11.5.4 OTHERS IN ROW

11.5.4.1 Biotechnological advancements in African nations drive the market for specialty enzymes

## 12 COMPETITIVE LANDSCAPE

- 12.1 INTRODUCTION
- 12.2 COMPETITIVE LEADERSHIP MAPPING (OVERALL MARKET)
  - 12.2.1 VISIONARY LEADERS
  - 12.2.2 DYNAMIC DIFFERENTIATORS
  - 12.2.3 INNOVATORS
  - 12.2.4 EMERGING COMPANIES
- 12.3 RANKING OF KEY PLAYERS, 2018
- 12.4 STRENGTH OF PRODUCT PORTFOLIO (OVERALL MARKET)
- 12.5 BUSINESS STRATEGY EXCELLENCE (OVERALL MARKET)
- 12.6 COMPETITIVE SCENARIO
  - 12.6.1 EXPANSIONS & INVESTMENTS
  - 12.6.2 AGREEMENTS, COLLABORATIONS, AND JOINT VENTURES
  - 12.6.3 NEW PRODUCT LAUNCHES
  - 12.6.4 ACQUISITIONS
- 12.7 COMPETITIVE LEADERSHIP MAPPING (START-UP/SME)
  - 12.7.1 PROGRESSIVE COMPANIES
  - 12.7.2 STARTING BLOCKS
  - 12.7.3 RESPONSIVE COMPANIES
  - 12.7.4 DYNAMIC COMPANIES
- 12.8 STRENGTH OF PRODUCT PORTFOLIO (STARTUP/SME)
- 12.9 BUSINESS STRATEGY EXCELLENCE (STARTUP/SME)

## **13 COMPANY PROFILES**

(Business overview, Products offered, Recent Developments, SWOT analysis, MNM view)\*

- 13.1 BASF
- 13.2 NOVOZYMES
- 13.3 ROCHE HOLDING
- 13.4 DUPONT
- 13.5 CODEXIS
- 13.6 DYADIC INTERNATIONAL
- 13.7 ADVANCED ENZYMES
- 13.8 AMANO ENZYME
- 13.9 SANOFI
- 13.10 BIOCATALYSTS
- 13.11 ENZYME SUPPLIES
- 13.12 BBI SOLUTIONS

13.13 SPECIALTY ENZYMES & PROBIOTICS

13.14 AMICOGEN

13.15 ANTOZYME BIOTECH

13.16 ENZYME DEVELOPMENT CORPORATION

13.17 NAGASE & CO. LTD.

13.18 SEKISUI DIAGNOSTICS

13.19 MERCK KGAA

13.20 BIOVET

\*Details on Business overview, Products offered, Recent Developments, SWOT analysis, MNM view might not be captured in case of unlisted companies.

## **14 APPENDIX**

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.3 AVAILABLE CUSTOMIZATIONS

14.4 RELATED REPORTS

14.5 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

TABLE 1 USD EXCHANGE RATES CONSIDERED, 2014–2019
TABLE 2 SPECIALTY ENZYMES MARKET SNAPSHOT, 2019 VS. 2025
TABLE 3 PATENTS PERTAINING TO ENZYMES, 2017–2020
TABLE 4 SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD MILLION)
TABLE 5 SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (TON)
TABLE 6 CARBOHYDRASES MARKET SIZE, BY REGION, 2017–2025 (USD MILLION)
TABLE 7 CARBOHYDRASES MARKET SIZE, BY SUBTYPE, 2017–2025 (USD MILLION)
TABLE 8 CARBOHYDRASES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)
TABLE 9 AMYLASES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)
TABLE 10 CELLULASES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)
TABLE 11 OTHER CARBOHYDRASES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)
TABLE 12 PROTEASES MARKET SIZE, BY REGION, 2017–2025 (USD MILLION)
TABLE 13 PROTEASES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)
TABLE 14 LIPASES MARKET SIZE, BY REGION, 2017–2025 (USD MILLION)
TABLE 15 LIPASES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)
TABLE 16 POLYMERASES & NUCLEASES MARKET SIZE, BY REGION, 2017–2025 (USD MILLION)
TABLE 17 POLYMERASES & NUCLEASES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)
TABLE 18 OTHER ENZYMES MARKET SIZE, BY REGION, 2017–2025 (USD MILLION)
TABLE 19 OTHER ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)
TABLE 20 SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)
TABLE 21 SPECIALTY ENZYMES MARKET SIZE IN PHARMACEUTICALS, BY REGION, 2017–2025 (USD MILLION)
TABLE 22 SPECIALTY ENZYMES MARKET SIZE IN PHARMACEUTICALS, BY TYPE,

2017–2025 (USD MILLION)

TABLE 23 SPECIALTY ENZYMES MARKET SIZE IN RESEARCH & BIOTECHNOLOGY, BY REGION, 2017–2025 (USD MILLION)

TABLE 24 SPECIALTY ENZYMES MARKET SIZE IN RESEARCH & BIOTECHNOLOGY, BY TYPE, 2017–2025 (USD MILLION)

TABLE 25 SPECIALTY ENZYMES MARKET SIZE IN DIAGNOSTICS, BY REGION, 2017–2025 (USD MILLION)

TABLE 26 SPECIALTY ENZYMES MARKET SIZE IN DIAGNOSTICS, BY TYPE, 2017–2025 (USD MILLION)

TABLE 27 SPECIALTY ENZYMES MARKET SIZE IN BIOCATALYSTS, BY REGION, 2017–2025 (USD MILLION)

TABLE 28 SPECIALTY ENZYMES MARKET SIZE IN BIOCATALYSTS, BY TYPE, 2017–2025 (USD MILLION)

TABLE 29 SPECIALTY ENZYMES MARKET SIZE, BY SOURCE, 2017–2025 (USD MILLION)

TABLE 30 MICROORGANISM-BASED SPECIALTY ENZYMES MARKET SIZE, BY REGION, 2017–2025 (USD MILLION)

TABLE 31 PLANT-BASED SPECIALTY ENZYMES MARKET SIZE, BY REGION, 2017–2025 (USD MILLION)

TABLE 32 ANIMAL-BASED SPECIALTY ENZYMES MARKET SIZE, BY REGION, 2017–2025 (USD MILLION)

TABLE 33 SPECIALTY ENZYMES MARKET SIZE, BY REGION, 2017–2025 (USD MILLION)

TABLE 34 NORTH AMERICA: SPECIALTY ENZYMES MARKET SIZE, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 35 NORTH AMERICA: SPECIALTY ENZYMES MARKET SIZE FOR PHARMACEUTICALS, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 36 NORTH AMERICA: SPECIALTY ENZYMES MARKET SIZE FOR RESEARCH & BIOTECHNOLOGY, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 37 NORTH AMERICA: SPECIALTY ENZYMES MARKET SIZE FOR DIAGNOSTICS, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 38 NORTH AMERICA: SPECIALTY ENZYMES MARKET SIZE FOR BIOCATALYSTS, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 39 NORTH AMERICA: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD MILLION)

TABLE 40 NORTH AMERICA: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (TON)

TABLE 41 NORTH AMERICA: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 42 NORTH AMERICA: ENZYMES MARKET SIZE, BY SOURCE, 2017–2025  
(USD MILLION)

TABLE 43 US: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025  
(USD MILLION)

TABLE 44 US: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD  
MILLION)

TABLE 45 CANADA: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,  
2017–2025 (USD MILLION)

TABLE 46 CANADA: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025  
(USD MILLION)

TABLE 47 CANADA: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025  
(USD MILLION)

TABLE 48 MEXICO: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,  
2017–2025 (USD MILLION)

TABLE 49 MEXICO: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025  
(USD MILLION)

TABLE 50 EUROPE: SPECIALTY ENZYMES MARKET SIZE, BY COUNTRY,  
2017–2025 (USD MILLION)

TABLE 51 EUROPE: SPECIALTY ENZYMES MARKET SIZE FOR  
PHARMACEUTICALS, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 52 EUROPE: SPECIALTY ENZYMES MARKET SIZE FOR RESEARCH &  
BIOTECHNOLOGY, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 53 EUROPE: SPECIALTY ENZYMES MARKET SIZE FOR DIAGNOSTICS, BY  
COUNTRY, 2017–2025 (USD MILLION)

TABLE 54 EUROPE: SPECIALTY ENZYMES MARKET SIZE FOR BIOCATALYSTS,  
BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 55 EUROPE: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025  
(USD MILLION)

TABLE 56 EUROPE: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025  
(TONS)

TABLE 57 EUROPE: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,  
2017–2025 (USD MILLION)

TABLE 58 EUROPE: ENZYMES MARKET SIZE, BY SOURCE, 2017–2025 (USD  
MILLION)

TABLE 59 ITALY: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,  
2017–2025 (USD MILLION)

TABLE 60 ITALY: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD  
MILLION)

TABLE 61 GERMANY: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,

2017–2025 (USD MILLION)

TABLE 62 GERMANY: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD MILLION)

TABLE 63 FRANCE: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 64 FRANCE: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD MILLION)

TABLE 65 SPAIN: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 66 SPAIN: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD MILLION)

TABLE 67 UK: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 68 UK: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD MILLION)

TABLE 69 REST OF EUROPE: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 70 REST OF EUROPE: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD MILLION)

TABLE 71 ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE, BY COUNTRY/REGION, 2017–2025 (USD MILLION)

TABLE 72 ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE FOR PHARMACEUTICALS, BY COUNTRY/REGION, 2017–2025 (USD MILLION)

TABLE 73 ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE FOR RESEARCH & BIOTECHNOLOGY, BY COUNTRY/REGION, 2017–2025 (USD MILLION)

TABLE 74 ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE FOR DIAGNOSTICS, BY COUNTRY/REGION, 2017–2025 (USD MILLION)

TABLE 75 ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE FOR BIOCATALYSTS, BY COUNTRY/REGION, 2017–2025 (USD MILLION)

TABLE 76 ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD MILLION)

TABLE 77 ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (TONS)

TABLE 78 ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 79 ASIA PACIFIC: ENZYMES MARKET SIZE, BY SOURCE, 2017–2025 (USD MILLION)

TABLE 80 CHINA: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2017–2025 (USD MILLION)



TABLE 81 CHINA: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025  
(USD MILLION)

TABLE 82 INDIA: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,  
2017–2025 (USD MILLION)

TABLE 83 INDIA: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD  
MILLION)

TABLE 84 JAPAN: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,  
2017–2025 (USD MILLION)

TABLE 85 JAPAN: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025  
(USD MILLION)

TABLE 86 AUSTRALIA & NEW ZEALAND: SPECIALTY ENZYMES MARKET SIZE, BY  
APPLICATION, 2017–2025 (USD MILLION)

TABLE 87 AUSTRALIA & NEW ZEALAND: SPECIALTY ENZYMES MARKET SIZE, BY  
TYPE, 2017–2025 (USD MILLION)

TABLE 88 REST OF ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE, BY  
APPLICATION, 2017–2025 (USD MILLION)

TABLE 89 REST OF ASIA PACIFIC: SPECIALTY ENZYMES MARKET SIZE, BY  
TYPE, 2017–2025 (USD MILLION)

TABLE 90 ROW: SPECIALTY ENZYMES MARKET SIZE, BY COUNTRY, 2017–2025  
(USD MILLION)

TABLE 91 ROW: SPECIALTY ENZYMES MARKET SIZE FOR PHARMACEUTICALS,  
BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 92 ROW: SPECIALTY ENZYMES MARKET SIZE FOR RESEARCH &  
BIOTECHNOLOGY, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 93 ROW: SPECIALTY ENZYMES MARKET SIZE FOR DIAGNOSTICS, BY  
COUNTRY, 2017–2025 (USD MILLION)

TABLE 94 ROW: SPECIALTY ENZYMES MARKET SIZE FOR BIOCATALYSTS, BY  
COUNTRY, 2017–2025 (USD MILLION)

TABLE 95 ROW: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (USD  
MILLION)

TABLE 96 ROW: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025 (TON)

TABLE 97 ROW: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,  
2017–2025 (USD MILLION)

TABLE 98 ROW: ENZYMES MARKET SIZE, BY SOURCE, 2017–2025 (USD MILLION)

TABLE 99 BRAZIL: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,  
2017–2025 (USD MILLION)

TABLE 100 BRAZIL: SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2017–2025  
(USD MILLION)

TABLE 101 ARGENTINA: SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION,



2017–2025 (USD MILLION)

TABLE 102 ARGENTINA: SPECIALTY ENZYMES MARKET SIZE, BY TYPE,  
2017–2025 (USD MILLION)

TABLE 103 SOUTH AFRICA: SPECIALTY ENZYMES MARKET SIZE, BY  
APPLICATION, 2017–2025 (USD MILLION)

TABLE 104 SOUTH AFRICA: SPECIALTY ENZYMES MARKET SIZE, BY TYPE,  
2017–2025 (USD MILLION)

TABLE 105 OTHERS IN ROW: SPECIALTY ENZYMES MARKET SIZE, BY  
APPLICATION, 2017–2025 (USD MILLION)

TABLE 106 OTHERS IN ROW: SPECIALTY ENZYMES MARKET SIZE, BY TYPE,  
2017–2025 (USD MILLION)

TABLE 107 EXPANSIONS & INVESTMENTS, 2017–2019

TABLE 108 AGREEMENTS, COLLABORATIONS, AND JOINT VENTURES,  
2017–2019

TABLE 109 NEW PRODUCT LAUNCHES, 2017–2019

TABLE 110 ACQUISITIONS, 2017–2019

## List Of Figures

### LIST OF FIGURES

FIGURE 1 MARKET SEGMENTATION

FIGURE 2 SPECIALTY ENZYMES MARKET: RESEARCH DESIGN

FIGURE 3 BREAKDOWN OF PRIMARY INTERVIEWS: BY VALUE CHAIN, DESIGNATION, AND REGION

FIGURE 4 GDP GROWTH OF KEY ECONOMIES, 2013–2018 (USD TRILLION)

FIGURE 6 DATA TRIANGULATION METHODOLOGY

FIGURE 7 SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2019 VS. 2025 (USD MILLION)

FIGURE 8 SPECIALTY ENZYMES MARKET SIZE, BY TYPE, 2019 VS. 2025 (TON)

FIGURE 9 SPECIALTY ENZYMES MARKET SIZE, BY APPLICATION, 2019 VS. 2025 (USD MILLION)

FIGURE 10 SPECIALTY ENZYMES MARKET SIZE, BY SOURCE, 2019 VS. 2025 (USD MILLION)

FIGURE 11 SPECIALTY ENZYMES MARKET SHARE (VALUE), BY REGION, 2018

FIGURE 12 GROWING DEMAND FOR PHARMACEUTICAL PRODUCTS IS PROJECTED TO DRIVE THE GROWTH OF THE SPECIALTY ENZYMES MARKET

FIGURE 13 US WAS THE LARGEST MARKET GLOBALLY FOR SPECIALTY ENZYMES IN 2018

FIGURE 14 US ACCOUNTED FOR THE LARGEST SHARE IN THE NORTH AMERICAN MARKET IN 2018

FIGURE 15 NORTH AMERICA IS PROJECTED TO DOMINATE THE MARKET FOR SPECIALTY ENZYMES, 2019 VS. 2025

FIGURE 16 THE PHARMACEUTICALS SEGMENT IS PROJECTED TO DOMINATE THE SPECIALTY ENZYMES MARKET DURING THE FORECAST PERIOD, 2019 VS. 2025

FIGURE 17 SPECIALTY ENZYMES MARKET: VALUE CHAIN

FIGURE 18 SPECIALTY ENZYMES MARKET DYNAMICS

FIGURE 19 FOOD DIAGNOSTICS MARKET SIZE, BY REGION, 2016–2023 (USD BILLION)

FIGURE 20 INDIA: REVENUE OF THE PHARMACEUTICAL SECTOR, 2016–2019 (USD BILLION)

FIGURE 21 GLOBAL EXPENDITURE ON R&D, 2015–2018 (USD MILLION)

FIGURE 22 PATENT INSIGHTS

FIGURE 23 SPECIALTY ENZYMES MARKET SHARE (VALUE), BY TYPE, 2019 VS.

2025

FIGURE 24 SPECIALTY ENZYMES MARKET SHARE (VALUE), BY APPLICATION, 2019 VS. 2025

FIGURE 25 SPECIALTY ENZYMES MARKET SHARE (VALUE), BY SOURCE, 2019 VS. 2025

FIGURE 26 FLOW CHART FOR THE PRODUCTION OF DRY ENZYMES

FIGURE 27 SPECIALTY ENZYMES MARKET GROWTH, BY KEY COUNTRY, 2019–2025

FIGURE 28 NORTH AMERICA: SPECIALTY ENZYMES MARKET SNAPSHOT

FIGURE 29 EUROPE: SPECIALTY ENZYMES MARKET SNAPSHOT, 2018

FIGURE 30 ASIA PACIFIC: SPECIALTY ENZYMES MARKET SNAPSHOT

FIGURE 31 SPECIALTY ENZYMES MARKET (OVERALL MARKET):

COMPETITIVE LEADERSHIP MAPPING, 2018

FIGURE 32 BASF LED THE SPECIALTY ENZYMES MARKET IN 2018

FIGURE 33 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN (OVERALL MARKET) SPECIALTY ENZYMES MARKET

FIGURE 34 BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN (OVERALL MARKET) SPECIALTY ENZYMES MARKET

FIGURE 35 SPECIALTY ENZYMES MARKET (START-UP/SME):

COMPETITIVE LEADERSHIP MAPPING, 2018

FIGURE 36 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN (STARTUP/SME) SPECIALTY ENZYMES MARKET

FIGURE 37 BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN (STARTUP/SME) SPECIALTY ENZYMES MARKET

FIGURE 38 BASF: COMPANY SNAPSHOT

FIGURE 39 BASF: SWOT ANALYSIS

FIGURE 40 NOVOZYMES: COMPANY SNAPSHOT

FIGURE 41 NOVOZYMES: SWOT ANALYSIS

FIGURE 42 ROCHE HOLDING: COMPANY SNAPSHOT

FIGURE 43 ROCHE HOLDING: SWOT ANALYSIS

FIGURE 44 DUPONT: COMPANY SNAPSHOT

FIGURE 45 DUPONT: SWOT ANALYSIS

FIGURE 46 CODEXIS: COMPANY SNAPSHOT

FIGURE 47 CODEXIS: SWOT ANALYSIS

FIGURE 48 DYADIC INTERNATIONAL: COMPANY SNAPSHOT

FIGURE 49 ADVANCED ENZYMES: COMPANY SNAPSHOT

FIGURE 50 SANOFI: COMPANY SNAPSHOT

FIGURE 51 AMICOGEN: COMPANY SNAPSHOT

FIGURE 52 NAGASE & CO. LTD.: COMPANY SNAPSHOT

## FIGURE 53 MERCK KGAA: COMPANY SNAPSHOT

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