

# **NORTH AMERICA FERMENTATION CHEMICALS MARKET FORECAST 2017-2025**

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## **Abstracts**

### **KEY FINDINGS**

The North America market is expected to report good growth in the forecast period due to increasing population, growing demand for bakery and ready to eat products, increase in alcohol consumption and changing food consumption trends. This market is expected to report the highest growth due to increasing industrialization and government initiatives to support various industries. The North America fermentation chemicals market generated a revenue of \$18.69 billion in 2016 and is anticipated to contribute \$28.62 billion by 2025, growing at a CAGR of 4.94%. Various reasons for the growth of the fermentation chemicals market are growing demand for alcohol, increasing usage of the fermentation process in various industries, applications in industrial biotechnology, higher consumer awareness about bio-based products and rising environmental concerns.

Fermentation chemicals are used in the fermentation process and help in speeding up the process. Fermentation chemicals play the role of an initiator and are used as catalysts or processor to hasten the process. This results in cost saving and less time is needed to complete the fermentation process.

Fermentation chemicals are the most important raw material in the alcohol industry. These chemicals are also used in nutritional food, animal feed, and food preservation. They are also used in bioplastics and fibers production. Strict environmental regulation from the EPA, European Union etc. will lead to higher demand for green bio-based products and these production methods will utilize fermentation chemicals.

Fermentation chemicals market is segmented on the basis of geography, application,

and products. On the basis of products, fermentation chemicals are classified as alcohols, enzymes, organic acid and others. On the basis of application, they are classified as industrial application, food and beverage, plastic and fibers, nutrition and pharmaceuticals and others

## **MARKET INSIGHTS**

Market drivers for fermentation chemicals are increasing demand in various industries, growing market for the alcohol industry, strict environmental regulations, higher demand for bio-based products, applications in industrial biotechnology and ease of use.

Alcohols dominate the fermentation chemicals by type. It constitutes 55% market share and as fermentation is an essential part of alcohol production, demand for these in the alcoholic beverage industry is expected to grow at a good CAGR in the forecast period.

Enzymes form the second largest share followed by organic acids. Organic acids are expected to report the highest growth in the forecast period. The reason for increasing demand of organic acids in the forecast period will be their increasing use in oil and gas well treatments. They are also used in food preservation, animal feed and nutritional food. It is predicted that the market for preserved and nutritional food will grow in the future leading to higher demand for organic acids.

The industrial application has the highest market share for fermentation chemicals, which is at 17%. They are used for various industrial processes like plastic, chemical, rubber, biofuel, leather and textile. The detergent industry is the biggest user of enzymes as they have better ability to remove stains and are environment-friendly. Fibers and plastics industry is expected to report the highest growth for fermentation chemicals in the forecast period.

There is an increase in demand for bioplastic from various industries due to environment consciousness. Growth in industrial production along with higher industrial growth in developing economies will lead to increasing demand. More antibiotics and steroids are being produced due to enhanced demand and higher expenditure in developing countries. This too will lead to higher demand for fermentation chemicals. Fermentation chemicals are used as key raw material in pet food production and growth in demand for animal feed additives market will lead to market growth.

Factors that will restrain market growth are an intermittent supply of raw material like microorganisms and nutrients, high production cost and complexity in the manufacturing

process.

## Contents

### 1. RESEARCH SCOPE

#### 1.1. RESEARCH SCOPE & ASSUMPTIONS

#### 1.2. LIST OF KEY DATA SOURCES

### 2. RESEARCH METHODOLOGY

#### 2.1. SOURCES OF DATA

#### 2.2. BOTTOM-UP APPROACH

#### 2.3. TOP DOWN APPROACH

#### 2.4. DATA TRIANGULATION

### 3. EXECUTIVE SUMMARY

### 4. MARKET SEGMENT ANALYSIS

#### 4.1. VALUE CHAIN ANALYSIS

### 5. MARKET DETERMINANTS

#### 5.1. MARKET DRIVERS

#### 5.2. KEY RESTRAINT

#### 5.3. KEY OPPORTUNITIES

#### 5.4. KEY CHALLENGES

### 6. FERMENTATION CHEMICAL MARKET: PORTER'S MODEL

#### 6.1. BARGAINING POWER OF SUPPLIERS

#### 6.2. THREAT OF NEW ENTRANTS

#### 6.3. BARGAINING POWER OF BUYERS

#### 6.4. THREAT OF SUBSTITUTES

#### 6.5. COMPETITIVE RIVALRY BETWEEN EXISTING PLAYERS

### 7. GLOBAL FERMENTATION CHEMICALS MARKET: PESTEL ANALYSIS

#### 7.1. POLITICAL FACTORS

#### 7.2. ECONOMIC FACTORS

#### 7.3. SOCIAL FACTORS

7.4. TECHNOLOGICAL FACTORS

7.5. ENVIRONMENTAL FACTORS

7.6. LEGAL FACTORS

## **8. NORTH AMERICA**

8.1. NORTH AMERICA FERMENTATION CHEMICALS MARKET ESTIMATES AND FORECAST

8.2. NORTH AMERICA FERMENTATION CHEMICALS MARKET ESTIMATES AND FORECAST BY REGION

8.3. NORTH AMERICA FERMENTATION CHEMICALS MARKET ESTIMATES AND FORECAST BY APPLICATION

8.4. US

8.5. MEXICO

8.6. REST OF NORTH AMERICA

## **9. GLOBAL FERMENTATION CHEMICALS MARKET BY APPLICATIONS**

9.1. GLOBAL FERMENTATION CHEMICALS FOR INDUSTRIAL APPLICATIONS MARKET

9.2. GLOBAL FERMENTATION CHEMICALS FOR FOOD AND BEVERAGES MARKET

9.3. GLOBAL FERMENTATION CHEMICALS FOR NUTRITIONAL AND PHARMACEUTICALS MARKET

9.4. GLOBAL FERMENTATION CHEMICALS FOR PLASTICS AND FIBERS MARKET

9.5. GLOBAL FERMENTATION CHEMICALS FOR OTHERS MARKET

## **10. GLOBAL FERMENTATION CHEMICALS MARKET BY PRODUCTS**

10.1. GLOBAL FERMENTATION CHEMICALS FOR ALCOHOLS (ETHANOL AND OTHER ALCOHOLS) MARKET BY TYPE

10.2. GLOBAL FERMENTATION CHEMICALS FOR ENZYMES MARKET

10.3. GLOBAL FERMENTATION CHEMICALS FOR ORGANIC ACIDS MARKET

10.4. GLOBAL FERMENTATION CHEMICALS FOR OTHERS MARKET

## **11. COMPANY PROFILES**

11.1. AJINOMOTO COMPANY CORPORATION

11.2. AB ENZYMES GMBH

11.3. BASF SE

11.4. AMANO ENZYME INC.

11.5. DOW CHEMICAL COMPANY

## List Of Tables

### LIST OF TABLES

TABLE 1 COMMON TYPE OF INDUSTRIAL PRODUCTS OF FERMENTATION

TABLE 2 NORTH AMERICA CHEMICAL FERMENTATION MARKET 2017-2025(\$ BILLION)

TABLE 3 END USER APPLICATION 2017-2025(\$ BILLION)

TABLE 4 DIFFERENCES IN PH RANGES OF SOME ENZYMES

TABLE 5 NORTH AMERICA CHEMICAL FERMENTATION MARKET BY APPLICATIONS 2017-2025(\$ BILLION)

TABLE 6 NORTH AMERICA CHEMICAL FERMENTATION MARKET FOR INDUSTRIAL APPLICATION 2017-2025(\$ BILLION)

TABLE 7 FOOD PRODUCTS WHICH USE FERMENTATION IN THEIR PRODUCTION

TABLE 8 NORTH AMERICA CHEMICAL FERMENTATION MARKET FOR FOOD AND BEVERAGES 2017-2025(\$ BILLION)

TABLE 9 NORTH AMERICA CHEMICAL FERMENTATION MARKET FOR NUTRITIONAL AND PHARMACEUTICAL SEGMENTS 2017-2025(\$ BILLION)

TABLE 10 NORTH AMERICA FERMENTATION CHEMICALS MARKET FOR PLASTICS AND FIBRES 2017-2025(\$ BILLION)

TABLE 11 NORTH AMERICA CHEMICAL FERMENTATION MARKET FOR OTHER APPLICATIONS 2017-2025(\$ BILLION)

TABLE 12 NORTH AMERICA CHEMICAL FERMENTATION MARKET BY PRODUCTS 2017-2025(\$ BILLION)

TABLE 13 NORTH AMERICA CHEMICAL FERMENTATION MARKET FOR ALCOHOLS 2017-2025(\$ BILLION)

TABLE 14 ENZYMES PRODUCED THROUGH BACTERIA

TABLE 15 NORTH AMERICA CHEMICAL FERMENTATION MARKET FOR ENZYMES 2017-2025(\$ BILLION)

TABLE 16 USES OF CITRIC ACID ACROSS APPLICATION SEGMENT

TABLE 17 APPLICATION AREAS OF CITRIC ACID

TABLE 18 INDUSTRIAL APPLICATIONS OF GLUCONIC ACID

TABLE 19 NORTH AMERICA CHEMICAL FERMENTATION MARKET FOR ORGANIC ACIDS 2017-2025(\$ BILLION)

TABLE 20 NORTH AMERICA CHEMICAL FERMENTATION MARKET FOR OTHER PRODUCTS 2017-2025(\$ BILLION)

TABLE 21 NORTH AMERICA FERMENTATION CHEMICALS MARKET BY APPLICATIONS 2017-2025(\$ BILLION)

TABLE 22 GOVERNMENT REGULATIONS

TABLE 23 THE U.S. CHEMICAL FERMENTATION MARKET BY APPLICATIONS  
2017-2025(\$ BILLION)

TABLE 24 CHANGES PRODUCED BY FERMENTATION IN FOOD.

TABLE 25 CANADA CHEMICAL FERMENTATION MARKET BY APPLICATIONS  
2017-2025(\$ BILLION)

TABLE 26 MEXICO CHEMICAL FERMENTATION MARKET BY APPLICATIONS  
2017-2025(\$ BILLION)



## List Of Figures

### LIST OF FIGURES

FIGURE 1 NORTH AMERICA CHEMICAL FERMENTATION CHEMICAL MARKET 2017-2025(\$ BILLION)

FIGURE 2 KEY BUYING CRITERIA

FIGURE 3 MINIMUM LEGAL DRINKING AGES (MLDA) ACROSS THE GLOBE

FIGURE 4 STRATEGIES FOLLOWED BY THE SUPPLIERS IN THE CHEMICAL FERMENTATION INDUSTRIES

FIGURE 5 END USER APPLICATION INDUSTRY 2016, (\$ BILLION)

FIGURE 6 PRODUCTS PRODUCED BY FERMENTATION REACTION

FIGURE 7 BIOETHANOL PRODUCTIONS, 2011-2015

FIGURE 8 CHEMICAL FERMENTATION MARKET: PORTER'S FIVE FORCE MODEL

FIGURE 9 FACTORS AFFECTING THE BUYING CRITERIA OF CUSTOMERS.

FIGURE 10 AGE-GROUPS INVESTING IN NUTRITIONAL AND ENERGY DRINKS

FIGURE 11 TECHNOLOGICAL ADVANCES IN THE FERMENTATION CHEMICAL INDUSTRY

FIGURE 12 USES OF FERMENTATION PRODUCTS IN FOOD INDUSTRY

FIGURE 13 INCREASE IN REVENUE GENERATION IN NORTH AMERICA (IN \$ BILLION)

FIGURE 14 NORTH AMERICA FERMENTATION CHEMICALS MARKET BY APPLICATION IN 2016

FIGURE 15 U.S. REVENUE GENERATIONS IN FERMENTATION CHEMICALS MARKET (IN BILLIONS)

FIGURE 16 SHARE OF BEVERAGES IN MEXICO REGION

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