

# 2018 Top 5 Cellulase (CAS 9012-54-8) Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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## Abstracts

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Cellulose is a linear polysaccharide of glucose residues connected by  $\beta$ -1,4 linkages. Like chitin it is not cross-linked. Native crystalline cellulose is insoluble and occurs as fibers of densely packed, hydrogen bonded, anhydroglucose chains of 15 to 10,000 glucose units. Its density and complexity make it very resistant to hydrolysis without preliminary chemical or mechanical degradation or swelling. In nature cellulose is usually associated with other polysaccharides such as xylan or lignin. It is the skeletal basis of plant cell walls. Cellulose is the most abundant organic source of food, fuel and chemicals. However, its usefulness is dependent upon its hydrolysis to glucose. Acid and high temperature degradation are unsatisfactory in that the resulting sugars are decomposed; enzymatic degradation (cellulase) is the most effective means of degrading cellulose into useful components. Although cellulases are distributed throughout the biosphere, they are most prevalent in fungal and microbial sources. Asia-Pacific is the largest consumption of Cellulase, with a revenue market share nearly 32.84% in 2016.

Cellulase used in industry including Animal Feed, Textile Industry, Food & Beverages, Biofuels and Others. Report data showed that 29.71% of the Cellulase market demand in Animal Feed, 26.37% in Food & Beverages, and 13.77% in Textile Industry in 2016. There are three kinds productions Constituting the Cellulase, which are EG, CBH and BG. EG Cellulase are important in the Cellulase, with a production market share nearly 39.57% in 2016.

Over the next five years, LPI(LP Information) projects that Cellulase (CAS 9012-54-8) will register a 7.5% CAGR in terms of revenue, reach US\$ 2320 million by 2023, from US\$ 1500 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

Novozymes

Genencor (DuPont)

DSM

AB Enzymes

Amano Enzyme

Primalco Ltd

BIO-CAT

Zhongrong Technology Corporation Ltd.

Shandong Longda Bio-Products Co., Ltd

Sunson Industry Group

Sinobios

Codexis

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

Asia-Pacific (China, Japan, Southeast Asia, India and Korea)

Europe (Germany, UK, France, Italy and Russia etc.)

South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

EG

CBH

BG

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Animal Feed

Textile Industry

Food & Beverages

Biofuels

Others

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