

# Research Report on Lactic Acid and Polylactic Acid (PLA) Industry in China, 2011-2020

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## Abstracts

### Description

As a kind of important organic acid, lactic acid is widely used in such industries as food, beverage, brewing, fragrance & flavor, medicine, leather, tobacco and chemical engineering. With the expanding application fields of lactic acid and its derivatives and the increasing consumption, demand for lactic acid also keeps increasing in China. In particular, the fast-growing beer uses lactic acid as the pH modulator. Moreover, the demand for lactic acid continues to increase in food and beverage industry.

The global lactic acid is mainly produced in the U.S., West Europe, Japan, China, etc. The fermentation method is adopted in most manufacturers. The production capacity of lactic acid is concentrated in North America, Asia and Europe. Lactic acid is widely used in many fields. In recent years, with the extremely insufficient resources and more concerns for environmental protection, the degradable polylactic acid (PLA) made from lactic acid is more widely applied.

In Chinese lactic acid industry, only 10 enterprises, such as Henan Jindan Lactic Acid Technology Co., Ltd. and COFCO Biochemical (Anhui) Co., Ltd. can reach annual production capacity of tens of thousands of tons. Most enterprises are small-sized with annual production capacity of hundreds to thousands of tons. Many enterprises in China issued the proposed projects or expansion plans. It is expected that the annual production capacity and output volume will rapidly increase.

A sound industry chain system is formed in Chinese lactic acid industry. In terms of the constitution of upstream and downstream industries, lactic acid manufacturing industry is the extension of raw material industry, which partly realizes the development from raw

materials to high-end industry chain.

In China, the major upstream raw material of lactic acid is corn starch, and the downstream includes food and beverage, medicine, chemical engineering, cosmetics and electronics industry. With the largest consumption of lactic acid, the food and beverages enjoys the annual growth rate of above 10%. The application in other industries includes leather manufacture, micro electronics, electroplating and PLA production. The output volume of China's lactic acid exceeded more than 180,000 tons in 2015.

China's PLA production capacity is gradually increasing. Major manufacturers include Zhejiang Hisun Biomaterials Co., Ltd., Nantong Jiuding Biological Engineering Co., Ltd., etc. It is predicted that the consumption of lactic acid for PLA production will increase in the next few years. The global production capacity of PLA is expected to increase from 200,000 tons in 2012 to 800,000 tons in 2020. However, it is estimated that the production capacity in Asia will reach 400,000 tons, accounting for nearly half of the global. Many Asian countries issue policies to support the development of various bio-based materials. In addition, Asia possesses a large number of agricultural raw materials, which will promote the development of PLA. However, there is still less demand for PLA in Asia, which indicates that most of its new production capacity will be exported.

Moreover, it is expected that the increase of downstream demand for polylactic acid will promote that of the lactic acid market in the future. The demand from food and beverage industry will also promote the increase of lactic acid. There will be a sharp increase of demand for lactic acid in food and beverage market of China and other emerging countries. Lactic acid will continue to serve as an additive in food and beverage industry and the raw material of PLA.

Through this report, the readers shall acquire the following information:

Supply and Demand Status of Global Lactic Acid and Polylactic Acid Industry

Influencing Factors on Development of Lactic Acid and Polylactic Acid Industry in China

Supply and Demand of Global Lactic Acid and Polylactic Acid Industry

Import and Export of Lactic Acid and Polylactic Acid Industry in China

Market Competition of Lactic Acid and Polylactic Acid Industry in China

Major Lactic Acid and Polylactic Acid Manufacturers in Chinese market

Forecast on Development of Lactic Acid and Polylactic Acid Industry in China

The Following Enterprises and People Are Recommended to Purchase This Report:

Lactic Acid and Polylactic Acid Manufacturers

Downstream Subscribers of Lactic Acid and Polylactic Acid

Investors/Research Institutes Concerned About Lactic Acid and Polylactic Acid Industry

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