

Global and China Lactic Acid and Derivative Industry Report, 2014-2016

Oct. 2014

STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications.

Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

Abstract

Global lactic acid consumption has been growing steadily and rapidly since 2008, and the market capacity has arrived at 800,000 tons in 2013. The United States is still the largest consumer market in the world, accounting for 31% of total lactic acid consumption in 2013; China surpassed Western Europe to become the second largest lactic acid market, with growth in consumption primarily benefiting from increasing demand in the food and beverage processing industry as well as robust export demand.

PURAC, Cargill and Henan Jindan Lactic Acid Technology Co., Ltd. as the world's top three lactic acid manufacturers boasted a combined capacity of 505,000 tons in 2013. Cargill mainly supplies lactic acid products to its subsidiary - NatureWorks for production of polylactic acid.

Polylactic acid is one of the most potential applications of lactic acid. Since the smooth realization of industrial production in the 1990s, polylactic acid has seen incremental application in biomedicine, automotive, electronics and other fields, accompanied by intensified development efforts in various countries. Currently, leading polylactic acid manufacturers are concentrated in the United States, the Netherlands, Germany and other developed countries.

Capacity of Major Global PLA Manufacturers, 2013



In 2013, global polylactic acid capacity hovered around 320,000 tons, of which 90% came from six major manufacturers. Natureworks as the largest one had an annual capacity of 150,000 tons and market share of 45.2%.

Polylactic acid industry started relatively late in China, seeing gradual transition from laboratory to pilot industrial-production units only after 1990s. In 2014 China's polylactic acid capacity was approximately 13,700 tons, increasing by 4,800 tons over 2008. Most of the existing polylactic acid devices in China have small-scale production; the industry leader – Zhejiang Hisun Biomaterials Co., Ltd has an annual capacity of 10,000 tons, while others such as Henan Piaoan Group Co., Ltd. and Nantong Jiuding Biological Engineering Co.,Ltd. have never exceeded 1,000 tons.

Global and China Lactic Acid and Derivative Industry Report, 2014-2016 highlights the followings:

- ⇒ Competition pattern, market supply and demand, development prospect, etc. of global lactic acid and derivative industry;
- ⇒ Market supply and demand, competition pattern, development prospect, PLA application prospect of China lactic acid and derivative industry;
- ⇒ Import and export of Chinese lactic acid and derivatives including polylactic acid, lactic acid, lactate salt and lactic ester;
- ⇒ Production, operation, lactic acid and derivative business, etc. of four companies worldwide (PURAC, GALACTIC, ADM and Cargill)
- ⇒ Operation, lactic acid and derivative business, etc. of 15 domestic companies (Hisun Biomaterials, COFCO Biochemical & GALACTIC, Jindan Lactic Acid, Sanjiang Space Good Biotech)

1. Introduction to Lactic Acid and Derivatives

- 1.1 Definition of Lactic Acid
- 1.2 Policies on China Lactic Acid and Derivative Industry
 - 1.2.1 Lactic Acid
 - 1.2.2 Polylactic Acid

2. Global Lactic Acid and Derivative Industry

- 2.1 Competition Pattern
- 2.2 Market Supply and Demand
- 2.3 Development Prospect

3. China Lactic Acid and Derivative Industry

- 3.1 Market Supply and Demand
- 3.2 Competition Pattern
- 3.3 Development Prospect
- 3.4 Application Prospect of Polylactic Acid
 - 3.4.1 Medicine Field
 - 3.4.2 Others

4. Import and Export of Chinese Lactic Acid and Derivatives

- 4.1 Polylactic Acid
- 4.2 Lactic Acid, Lactate Salt and Lactic Ester

5. Major Lactic Acid and Derivative Companies in the World

- 5.1 PURAC
 - 5.1.1 Profile
 - 5.1.2 Production
 - 5.1.3 Operation
- 5.2 GALACTIC
 - 5.2.1 Profile
 - 5.2.2 Development History
 - 5.2.3 Operation
- 5.3 ADM
 - 5.3.1 Profile
 - 5.3.2 Operation
- 5.4 Cargill
 - 5.4.1 Profile
 - 5.4.2 Operation
 - 5.4.3 Lactic Acid Business

6. Major Lactic Acid and Derivative Companies in China

- 6.1 Zhejiang Hisun Biomaterials
 - 6.1.1 Profile
 - 6.1.2 Main Products
 - 6.1.3 Polylactic Acid Business
- 6.2 Anhui COFCO Biochemical & GALACTIC
 - 6.2.1 Profile
 - 6.2.2 Main Products
 - 6.2.3 Operation


- 6.3 Henan Jindan Lactic Acid Technology
 - 6.3.1 Profile
 - 6.3.2 Main Products
 - 6.3.3 Operation
 - 6.3.4 R&D and Investment
- 6.4 Ningxia Hypow Biotechnology
 - 6.4.1 Profile
 - 6.4.2 Main Products
 - 6.4.3 Lactic Acid Business
- 6.5 Chongqing Bofei Biochemical Products
 - 6.5.1 Profile
 - 6.5.2 Main Products
 - 6.5.3 Lactic Acid Business
- 6.6 Xiaogan Kaifeng Bioengineering
 - 6.6.1 Profile
 - 6.6.2 Main Products
 - 6.6.3 Lactic Acid Business
- 6.7 Yancheng Haijianuo Biological Engineering
 - 6.7.1 Profile
 - 6.7.2 Main Products
 - 6.7.3 Operation
- 6.8 Wuhan Sanjiang Space Good Biotech
- 6.9 Others

7. Summary and Forecast

- 7.1 Summary
- 7.2 Forecast

- Main Lactic Acid Derivatives and Applications
- Policies on China Polylactic Acid Industry
- Capacity of Major Global Lactic Acid Manufacturers, 2013
- Capacity of Major Global Polylactic Acid Manufacturers, 2013
- Market Share of Global Polylactic Acid Manufacturers, 2013
- Global Lactic Acid Market Capacity, 2008-2014
- Global Lactic Acid Consumption Structure (by Region), 2013
- Global Polylactic Acid Capacity Distribution (by Sector), 2012
- Global Polylactic Acid Output Value (by Region), 2009-2013
- Global Polylactic Acid Output Value (by Region), 2012-2016E
- China's Lactic Acid Capacity and Output, 2006-2013
- Capacity of Major Lactic Acid Manufacturers in China, 2013
- Lactic Acid Consumption Structure in China, 2013
- Weekly Average Lactic Acid Price in Shanghai Zhongshan Chemical Market, 2007-Jun. 2014
- Market Share of Chinese Lactic Acid Enterprises, 2013
- Capacity of Major Polylactic Acid Manufacturers in China, 2014
- China's Lactic Acid Capacity, 2013-2016E
- Demand for Implantable Biomedical Products in China, 2011
- Import Volume and Import Value of Polylactic Acid in China, 2007-Aug. 2014
- Top 10 Countries by Import Volume of Polylactic Acid in China, Jan.-Aug. 2014
- Export Volume and Export Value of Polylactic Acid in China, 2009-Aug. 2014
- Top 10 Countries by Export Volume of Polylactic Acid in China, Jan.-Aug. 2014
- Import Volume and Import Value of Lactic Acid, Lactate Salt and Lactic Ester in China, 2010-Aug. 2014
- Top 10 Ports by Import Volume of Lactic Acid, Lactate Salt and Lactic Ester in China, Jan.-Jun. 2013
- Export Volume and Export Value of Lactic Acid, Lactate Salt and Lactic Ester in China, 2010-Jun. 2013

- Top 10 Ports by Export Volume of Lactic Acid, Lactate Salt and Lactic Ester in China, Jan.-Jun. 2013
- Main Products and Business Area of PURAC
- Capacity of PURAC's Lactic Acid Factories, 2014
- Distribution of PURAC's Factories and Sales Offices
- Revenue and EBIT of PURAC, 2008-2015E
- Revenue Structure of PURAC (by Sector), 2011
- CAPEX and ROI of PURAC, 2009-2012
- Main Products of GALACTIC
- Development History of GALACTIC
- Net Income and Growth Rate of GALACTIC, 2008-2013
- Main Lactic Acid Products of ADM
- Revenue and Net Income of ADM, 2009-2013
- Business Model of ADM
- Global Distribution of ADM
- Main Products of Cargill
- Revenue and Net Income of Cargill, FY2010-FY2014
- Revenue Structure of Cargill (by Region), 2013
- Production Model of Ingeo
- Developments of NatureWorks in Countries, 2010-2013
- Main Products of Hisun Biomaterials
- Polylactic Acid Capacity Development of Hisun Biomaterials
- Products of COFCO Biochemical & GALACTIC
- Revenue and Net Income of COFCO Biochemical & GALACTIC, 2009-2014
- Operating Costs of COFCO Biochemical & GALACTIC, 2009-2014
- Product Series of Jindan Lactic Acid

- 
- Revenue of Jindan Lactic Acid, 2010-2015E
 - Products of 50 kt/a Polylactic Acid Project of Jindan Lactic Acid
 - Average Annual Material Consumption of 50 kt/a Polylactic Acid Project of Jindan Lactic Acid
 - Organizational Structure of Hypow Biotechnology
 - Main Lactic Acid Products of Hypow Biotechnology
 - Sales Network of Hypow Biotechnology
 - Main Products of Bofei Biochemical
 - Sales Network of Bofei Biochemical
 - Main Products of Kaifeng Bioengineering
 - Main Products of Haijianuo Biological Engineering
 - Revenue of Haijianuo Biological Engineering, 2010-2015E
 - Main Products of Sanjiang Space Good Biotech
 - Main Products of Leda Biochemical
 - Development History of Musashino Chemical (China)
 - Branches of Esun Industrial
 - Main Products of Jiuding Biological Engineering
 - Main PLA Fiber Products of Yangtze Labre
 - Global Polylactic Acid Capacity, 2011-2020E

You can place your order in the following alternative ways:

1. Order online at www.researchinchina.com
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: report@researchinchina.com
4. Phone us at +86 10 82600828/ 82601561

Party A:			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

Party B:			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080		
Contact Person:	Liao Yan	Phone:	86-10-82600828
E-mail:	report@researchinchina.com	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing Bank Account No #: 110060668012015061217 Routing No #: 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	Format	Cost
<i>Total</i>		

Choose type of format

- PDF (Single user license)1,800 USD
- Hard copy 1,900 USD
- PDF (Enterprisewide license)..... 2,800 USD

※ Reports will be dispatched immediately once full payment has been received. Payment may be made by wire transfer or credit card via PayPal.

About ResearchInChina

ResearchInChina (www.researchinchina.com) is a leading independent provider of China business intelligence. Our research is designed to meet the diverse planning and information needs of businesses, institutions, and professional investors worldwide. Our services are used in a variety of ways, including strategic planning, product and sales forecasting, risk and sensitivity management, and as investment research.

Our Major Activities

- *Multi-users market reports*
- *Database-RICDB*
- *Custom Research*
- *Company Search*

RICDB (<http://www.researchinchina.com/data/database.html>), is a visible financial data base presented by map and graph covering global and China macroeconomic data, industry data, and company data. It has included nearly 500,000 indices (based on time series), and is continuing to update and increase. The most significant feature of this base is that the vast majority of indices (about 400,000) can be displayed in map.

After purchase of our report, you will be automatically granted to enjoy 2 weeks trial service of RICDB for free.

After trial, you can decide to become our formal member or not. We will try our best to meet your demand. For more information, please find at www.researchinchina.com

For any problems, please contact our service team at: