

Chinese Industrial Biotechnology Industry: An Analysis

<https://marketpublishers.com/r/CA8F7534356EN.html>

Date: December 2010

Pages: 62

Price: US\$ 800.00 (Single User License)

ID: CA8F7534356EN

Abstracts

Biotechnology is one of the significant industries in the global sector of science and technology. After showing tremendous results in pharmaceutical industry (red biotech) and agriculture industry (green biotech), biotechnology is now applied in industrial production (white biotech). Industrial biotechnology is the application of biotechnology for the processing and production of chemicals, materials and energy.

In the past few years, the Chinese industry for biotechnology has grown at a rapid pace and holds a significant position in the world market at present. For example, China has become the largest MSG and Vitamin C supplier at present, and the third largest fuel ethanol producer and consumer in the world by the end of 2009. Thus, the present report mainly focuses on the growth of industrial biotechnology in China along with a brief discussion of the global scenario for this sector. The Chinese government has made major contribution for the promoting of this sector, which, in turn, is boosting the bio-based economic development of the country. The main focus of the 11th five year plan rests on the development of Chinese biotechnology industry. China is mapping out a five-year development plan to help its bio-industry get more concentrated and raise its international profile during the 2011-2015 period. Even the 12th five year plan would be focused on promotion of innovation and industrialization of biotechnology industry.

In addition to this, the report presents a detailed analysis of few specific bio-based products with reference to the Chinese market. The market analysis of products like lysine, methionine, threonine, tryptophan, citric acid, sorbitol, corn starch, artificial sweeteners etc, shows that China would become the market leader in upcoming years. The trade analysis of such products shows that their imports in past 5 years have declined significantly. However the exports have shown increasing trend.

Contents

1. BIOTECHNOLOGY INDUSTRY

- 1.1. Global Biotechnology Industry
- 1.2. Chinese Biotechnology Industry6

2. INDUSTRIAL BIOTECHNOLOGY

- 2.1. Global Industrial Biotechnology
 - 2.1.1. Amino Acids
 - 2.1.2. Fermentation Products
 - 2.2.3. Probiotics/ Prebiotics
 - 2.2.4. Artificial Sweeteners
 - 2.2.5. Nucleic Acid
- 2.2. Chinese Industrial Biotechnology
 - 2.2.1. Amino Acids
 - 2.2.2. Fermentation Products
 - 2.2.3. Probiotics/ Prebiotics
 - 2.2.4. Sweeteners
 - 2.2.5. Food and Feed Enzyme Market

3. PRODUCT ANALYSIS OF CHINESE INDUSTRIAL BIOTECHNOLOGY INDUSTRY

- 3.1 Amino Acids
 - 3.1.1. Lysine
 - 3.1.2. Methionine
 - 3.1.3. Threonine
 - 3.1.4. Tryptophan
- 3.2. Fermentation Products, Acidulants, Starch and Its Derivatives
 - 3.2.1. Citric Acid
 - 3.2.2. Glutamic Acid
 - 3.3.3. Corn Starch
 - 3.2.5. Sorbitol/D-Glucitol
 - 3.2.6. MSG
 - 3.2.7. Lactic Acid
- 3.3. Sweeteners
 - 3.3.1. Saccharine
 - 3.3.2. Xylitol

3.3.3. Erythritol

4. GROWTH DRIVERS

- 4.1 Growing Feed Demand
- 4.2. Increasing Nutritional supplement market
- 4.3. Increasing Per Capita Expenditure on Public Healthcare
- 4.4. Growing Demand of Protein

5. GOVERNMENT REGULATIONS AND POLICIES

Government Expenditure

Hi-Tech Research and Development Program (863 Program)

National Key Technologies R&D Program

Program

Innovation Fund for Technology based firms (IFT)

List Of Graphs

LIST OF GRAPHS

Global Biotechnology Market, 2005-2009
China Biotechnology Market value, 2005-2010E
Amino acid based nutritional supplement market in major countries, 2008
Amino Acid Based Nutritional Supplement Consumed Per Capita in Major Countries, 2008
Global essential amino acid additives market breakdown, 2009
Global Market for Fermentation Products, 2009
Global Probiotics market, 2005-2008
Geographical Growth Rate (%) of the Probiotics Market: 2008
Region-wise Probiotics Functional Food Revenue: 2008
Global Artificial sweeteners market, 2005-2009E
Segmentation of global sweeteners, 2009
Outlook Global sweeteners market, 2010F-2015F
Global nucleic acid market growth trend, 2003-2008
Chinese amino acid based nutritional supplements, 2003-2009
Number of amino acid based nutritional supplements approved by SFDA, 2003-2009
Market share of 5 largest manufacturers of amino acid based nutritional supplements in China, 2008
Chinese Probiotics Market: 2006-2008
Chinese Sweetener Market, 1999-2010E
Chinese Sweetener Market, 1999-2010E
Global Market Size of Lysine, 2003-2009
Outlook of Global Lysine market, 2010E-2011E
Lysine market share of global players, 2009
Lysine demand by region, 2009
Chinese Lysine market, 2003-2009
Global monthly lysine prices, 4/09-6/10
Chinese monthly lysine prices, 4/09-6/10
Exports of Lysine to various countries from China, 2005-2009
Imports of Lysine from various countries to China, 2005-2009
Global Methinone Market, 2003-2009
Forecasted Methinone market, 2010-2011
Chinese Methinone Market, 2003-2009
Exports of Methinone to various countries from China, 2005-2009
Imports of Methinone from Various Countries to China, 2005-2009

Global Threonine market, 2003-2009
Forecasted Threonine market, 2010-2011
Chinese Threonine Market Demand, 2003-2009
Global Threonine Price Trend, 4/09-6/10
Global Tryptophan Consumption, 2003-2009
Chinese Tryptophan Consumption, 2003-2009
Global Tryptophan Price Trend, 4/09-6/10
Global Sales Pattern of Citric Acid, 2009
Exports of citric acid to various countries from China, 2005-2009
Imports of citric acid from various countries to China, 2005-2009
Chinese Glutamic Acid Market, 1950-2009
Exports of Glutamic Acid to Various Countries from China, 2005-2009
Imports of Glutamic Acid from Various Countries to China, 2005-2009
Ex factory prices of corn starch products in China, 2009-2010
Exports of Corn Starch to Various Countries from China, 2005-2009
Imports of Corn Starch from Various Countries to China, 2005-2009
Ex Factory Prices of Sorbitol in China, 2009-2010
Exports of Sorbitol to Various Countries from China, 2005-2009
Imports of Sorbitol from Various Countries to China, 2009-2009
Breakdown of Global MSG Market, 2009
Chinese MSG Production, 1993-2008
Exports of MSG to various countries from China, 2005-2009
Global Sales of Lactic Acid, 1993-2008
Exports of Lactic acid to various countries from China, 2005-2009
Imports of Lactic acid from various countries to China, 2005-2009
Chinese Saccharin Production, 2007-2009
Exports of Saccharin to Various Countries from China, 2005-2009
Imports of Saccharin from Various Countries to China, 2005-2009
Key Xylitol Producers in China, 2009
Exports of Xylitol to various countries from China, Jan-Nov 2009
China; Erythritol Production capacity of Major Players, 2009-10
Feed Demand in China, 2005-2015
Nutritional Supplement Market in China, 2001-2008
Expenditure on public health in China, 2001-2008E
Per Capita Expenditure on Public Healthcare in China, 2001-2007
Global Animal Protein Production, 2010-2020
Budget of 863 Program and the Share of Biotechnology Programs

List Of Tables

LIST OF TABLES

Key Biotechnology Supporting Programs in China
Budget of NSFC and Expenditure on Life Science and Biotechnology, 2001-2005

I would like to order

Product name: Chinese Industrial Biotechnology Industry: An Analysis

Product link: <https://marketpublishers.com/r/CA8F7534356EN.html>

Price: US\$ 800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CA8F7534356EN.html>