

# Market Research of L-Cysteine in China

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## Abstracts

### Background:

L-Cysteine is a kind of nonessential amino acid which is abstracted from human hair or duck feather using hydrolysis technology. It covers three forms in China: L-cysteine hydrochloride monohydrate, L-cysteine hydrochloride anhydrous and L-cysteine base. L-Cysteine is widely used in food, pharmaceutical, and cosmetic industries. Among these applications, food is the largest consumption area. The demand for it in pharmaceuticals also has a fast increase in recent years.

**Industrial affairs:** The global consumption for L-cysteine was about 12,000 tonnes in 2012, and the production capacity could meet the demand well at present. China, Germany and Japan are the three largest L-cysteine producers in the world. The technology in Germany and Japan is biological method which is more eco-friendly while much higher production cost compared with China's hydrolysis method. Though L-cysteine produced in China is more competitive because of its lower price currently and China will still be the major producer in the world in the next few years, biological method will be the trend in L-cysteine's production and the competition during China, Japan and Germany will be more intense in the future.

**China's position:** As the largest L-cysteine producer in the world, China has an important position in global market, which benefits from its relatively loose environmental requirement and ample raw materials. The production situation in China can directly affect the supply of L-cysteine and its downstream products in the world. In 2012, it produced about 7,700 tonnes of L-cysteine and about 85% of them were exported to Southeast Asia, the US, Europe, etc.

**Purpose of report:** To clearly describe the market of L-cysteine in China and give some constructive opinions, CCM has collected lots of information in various ways. In

this report, both the supply & demand situations have been described in detail, and other information, such as price, technology, has also been given together with their prediction.

**Applicable user:**

Global L-cysteine manufactures who want the production information of their competitors in China or want to enter China's market

International traders

Purchasers of L-cysteine

Production/sales managers of L-cysteine

Academic institutions interested in L-cysteine research

Investors who take interest in China and global' s L-cysteine and its derivatives and its downstream industries such as food industry

More...

**What to report:**

In this report, three kinds of L-cysteine, including L-cysteine hydrochloride monohydrate, L-cysteine hydrochloride anhydrous and L-cysteine base, has been analyzed exhaustively from the following aspects:

Production situation (by product types), 2008-H1 2013

Production situation (by top three producers), 2008-H1 2013

Market price, 2008-H1 2013

Market price prediction, 2014-2018

Consumption in China, 2012

## Production technology

Market information of L-cysteine's major derivatives, NAC and SCMC, are also given from parts of the above aspects.

## Forecast on industry:

The market of L-cysteine in China won't change much in the next few years, either in top producers or production scale, while the demand for it will keep increasing for its expanding application, especially in pharmaceutical industry. The price of L-cysteine has always been in volatility historically. Since the end of 2011, the average annual price of L-cysteine had kept declining and hit a historic low in 2013. It has begun to rebound at the end of 2013, and will have a slight rise in 2014-2018 based on the increasing prices of raw materials and increasing demand.

## Value to client:

Knowing Chinese supply situation of L-cysteine more comprehensive and accurately;

Understanding the consumption situation and properties of China's L-cysteine in specific application sectors;

Seeing the price's historical change and its trend in the next five years;

Getting the technology information both at home and abroad;

Having a better understanding to the whole Chinese market to help you to make a right choice.

## Methodology?

Desk-based research

Telephone interviews

Interviewees cover: key producers, key end users, traders, raw material suppliers, associations, experts, etc.

Data processing and presentation

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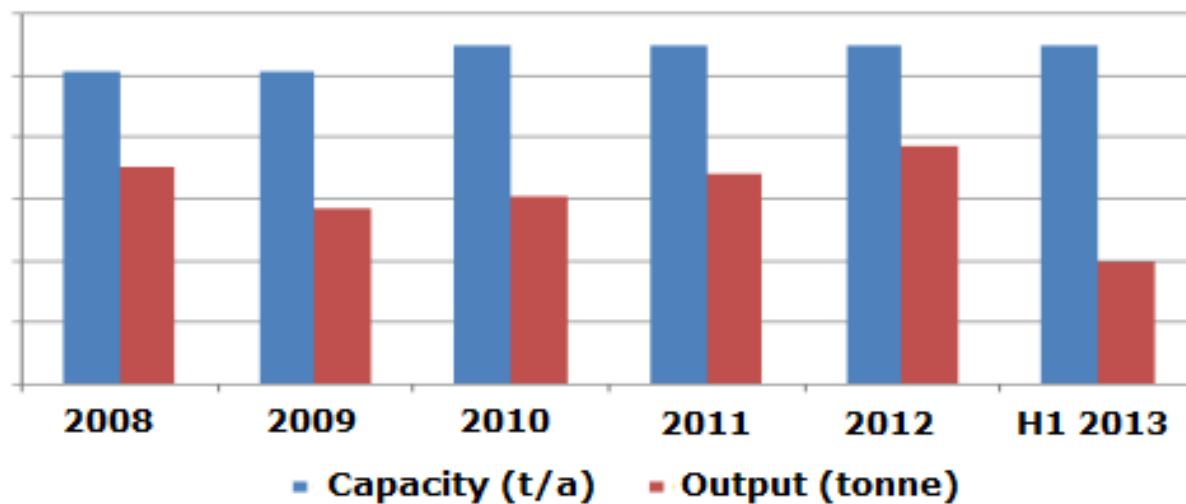
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## About

**Capacity and output of L-cysteine in China, 2008-H1 2013**



Because hydrolysis method for L-cysteine production is mature in China, few domestic enterprises focused on the further research of hydrolysis method in recent years and the pollution problems it causes still exist.



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