

.....

I Overview of lignin and lignin-based products in China

Market situation

.....

- Capacity and output

In the past five years, the lignin and lignin-based products industry in China has developed rapidly. In 2009, its output has reached █ tonnes, up █% year on year. In 2010, according to CCM's analysis, its output is likely to maintain █ tonnes. In 2010, China has only one lignin-based products producer namely Changzhou Shanfeng Chemical Industry Co., Ltd. with output of █ tonnes in 2010 est. Besides, another potential producer namely Jilin Laihe Chemical Co., Ltd. is estimated to formally go into lignin-based products industry at the end of 2010

.....

Table I-3 Capacity of lignin and lignin-based products, 2006-2010 est., t/a

Year	Lignin				Lignin-based products		Total
	Lignosulfonates	Alkali lignin	High-purity lignin	Total	Lignin phenol formaldehyde resin	Lignin polyether polyols	
2006	█	█	█	█	█	█	█
2007	█	█	█	█	█	█	█
2008	█	█	█	█	█	█	█
2009	█	█	█	█	█	█	█
2010	█	█	█	█	█	█	█

Source: CCM International

.....

III-3 High-purity lignin

III-3.3 Markets

In 2010 est., the capacity and output of high-purity lignin have reached █ tonnes and █ tonnes respectively. The rapid expansion of capacity of high-purity lignin in 2010 mainly is caused by launching a new production line of high-purity lignin by Jilin Laihe with capacity of █ t/a in Nov. 2010. In late 2009, Changzhou Shanfeng firstly started to produce mass production of high-purity lignin with the capacity of █ t/a.

.....

Table III-3.3.1 Major producers of high-purity lignin in China, 2010

Manufacturer	2009		2010		Raw material	Location
	Capacity, t/a	Output, tonne	Capacity, t/a	Output(Jan.-Nov.), tonne		
Changzhou Shanfeng Chemical Industry Co., Ltd.	■	■	■	■	grain straw	Jiangsu
Jilin Laihe Chemical Co., Ltd.	■	■	■	■	grain straw	Jilin
Total	■	■	■	■	-	-

Source: CCM International

.....