

# Market Research of Acesulfame Potassium in China

The First Edition

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## **1. Introduction and scope of study**

### **Introduction**

Aiming to disclose the latest production, analyse the price and market of China's acesulfame potassium industry, this report mainly focuses on China's acesulfame potassium industry from 2017 to 2019, as well as forecasts its development trend in the future.

This report is based on a detailed interviewing program, supported by an extensive desk research including comprehensive searches of CCM's database, a wide variety of publications and Internet sites worldwide. Wherever possible, information obtained has been incorporated in the report.

### **Scope of study**

Region scope: China

Time scope: primarily 2017 to 2019 unless otherwise stated

## 2. Approach for this report

This report is based on data collected with diverse methods, which are listed as follows:

### - Telephone interview

The purposes of doing telephone interviews are:

- To find out the latest updated and accurate status of each producer of acesulfame potassium in China.
- To gather information not available in published sources.
- To ensure information used in the report is based on real data.

The interviewees cover:

- Acesulfame potassium producers
- Research institutes
- Active researchers
- Acesulfame potassium end users

### - Desk research

The sources of desk research are various, including published magazines, journals, patent documentation, industrial statistics, customs statistics, as well as information from the Internet. A lot of work went into compiling and analysing the information obtained. Some crosschecks were also made with Chinese suppliers of acesulfame potassium regarding market information such as production, consumption and price.

### - Data processing and presentation

The data collected and compiled was variously sourced from:

- CCM's database
- Published articles from periodicals, magazines, journals and third party databases
- Statistics from governments and international institutes
- Telephone interviews with domestic producers, joint ventures, service suppliers and government agencies
- Customs statistics
- Comments from industrial experts
- Information from the Internet

The data has been combined and cross-checked to ensure that this report is as accurate and methodologically sound as possible. Throughout the process, a series of discussions were held within CCM to systematically analyse the data and draw appropriate conclusions.

### 3. Executive summary

China officially approved the application of acesulfame potassium in foods and beverages in 1992.

China's capacity of acesulfame potassium in 2019 was XXX t/a, accounting for more than XXX % of the world's total. The output in China was about XXX tonnes in 2019.

Production capacity of acesulfame potassium in China is concentrated in a few producers. All of them adopt reduction method to produce the product. As of Jan. 2020, there were about XXX acesulfame potassium producers in China. Anhui Jinhe Industrial Co., Ltd. is the biggest one, whose capacity has maintained at XXX t/a since 2016, accounting for XXX % of China's total capacity.

Raw material cost takes up more than XXX % of the production cost of acesulfame potassium. Diketene and sulfur trioxide are the two important raw materials for acesulfame potassium production.

In 2019, about XXX % of the output in China was for export. From 2017 to 2019, the export volume of acesulfame potassium in China increased from XXX tonnes to XXX tonnes, at a CAGR of XXX %.

In 2019, due to the relatively concentrated capacity and stable competition pattern within the industry, the ex-works price was quite stable, falling between USD XXX /t (RMB XXX /t)–USD XXX /t (RMB XXX /t).

Acesulfame potassium is mainly used in beverage and food industries. Its apparent consumption in China was XXX tonnes in 2019. In 2017–2019, the apparent consumption of acesulfame potassium in China increased steadily. XXX, XXX and XXX are the top three consumption segments of acesulfame potassium in China.

#### 4. What is in the report?

**Note: Key data/information in this sample page is hidden, while in the report it is not.**

...

#### 1.2 Raw materials of acesulfame potassium

...

As over XXX% production cost of acesulfame potassium comes from raw material cost, producers with capacity of upstream materials are expected to avoid the risk of raw material price fluctuation and create a cost advantage.

#### Diketene

...

Table 1.2-1 Key producers of diketene in China, 2019

No.	Producer	Capacity 2019, t/a
1	Ningbo Wanglong Tech Co., Ltd.	XXX
2	Qingdao Haiwan Specialty Chemicals Co., Ltd.	XXX
3	...	XXX
7	XXX	XXX

Source: CCM

...

## 2.2 Production cost

...

Figure 2.2-1 Flowchart of processes involved in acesulfame potassium production



Source: CCM

Table 2.2-1 Raw material cost for acesulfame potassium production in China, Feb. 2020

Item	Unit consumption, t/t	Price, USD/t	Unit cost, USD/t
Sulfamic acid 99.5%	XXX	XXX	XXX
Diketene 97%	XXX	XXX	XXX
...	XXX	XXX	XXX
XXX	XXX	XXX	XXX
<b>Total</b>	<b>/</b>	<b>/</b>	<b>XXX</b>

Note: The unit price is based on not only the ordinary market price but also the degree of economic scale, operating rate and backward integration of acesulfame potassium manufacturers.

Source: CCM

Table 2.2-2 General production cost for acesulfame potassium in China, Feb. 2020

Item	Unit cost, USD/t
Raw material cost	XXX
Manufacturing cost	XXX
...	XXX
XXX	XXX
<b>Total</b>	<b>XXX</b>

Source: CCM



Figure 2.2-2 Cost structure of acesulfame potassium in China



Source: CCM

### 2.3 Key manufacturers

As of Jan. 2020, there were about XXX acesulfame potassium producers in China.

XXX is the largest player in the industry. Its acesulfame potassium capacity has maintained at XXX t/a since 2016. In 2019, XXX's output reached XXX tonnes, accounting for XXX% of the total acesulfame potassium output in China.

XXX's XXX t/a acesulfame potassium project was completed and put into commercial production in 2019.

...

Table 2.3-2 Capacity and output of acesulfame potassium by producer in China, 2019

No.	Producer	Status 2019	Capacity, t/a	Output, tonne
1	XXX	Active	XXX	XXX
2	XXX	Active	XXX	XXX
3	...	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX
	Others	/	XXX	XXX
	<b>Total</b>	/	XXX	XXX

Source: CCM

Figure 2.3-1 Capacity distribution of acesulfame potassium in China, 2019



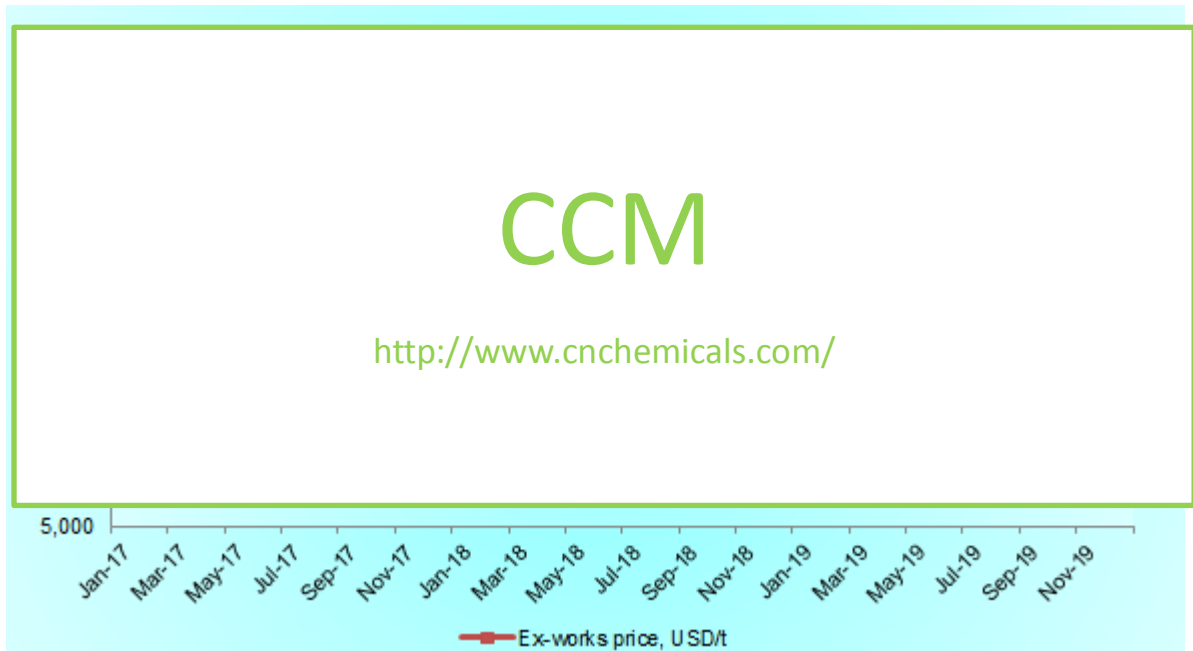
Source: CCM

There are two potential producers of acesulfame potassium in China.

...

## 2.4 Price

Figure 2.4-1 Monthly average ex-works prices of acesulfame potassium in China, Jan. 2017–Dec. 2019



Source: CCM

Table 2.4-1 Annual ex-works price of acesulfame potassium in China, 2017–2019

Year	Ex-works price, USD/t
2017	XXX
2018	XXX
2019	XXX

Source: CCM

In 2017, the ex-works price of acesulfame potassium was on an upward trend, with small fluctuations though, and the price fell within the range between USDXXX/t and USDXXX/t . The relatively steady rise in price due to:

...

In 2019, due to the relatively concentrated production capacity of acesulfame potassium and relatively stable price of raw materials, the ex-works price of acesulfame potassium was stable with slight fluctuation, which was between USDXXX/t (RMBXXX/t)–USDXXX/t (RMBXXX/t).

...

## 2.5 Export

From 2017 to 2019, the export volume of acesulfame potassium in China increased from XXX tonnes to XXX tonnes, at a CAGR of XXX%. In recent years, the export volume of acesulfame potassium usually accounts for about XXX% of the national output.

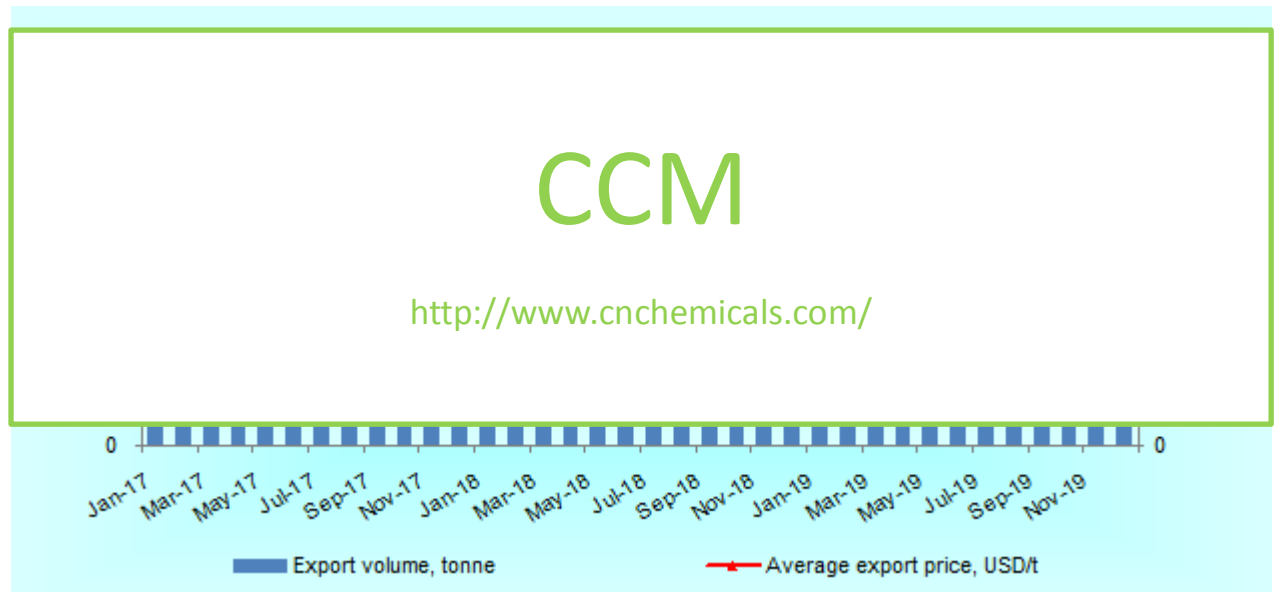
During 2017–2019, XXX, XXX and XXX were the top three destinations of acesulfame potassium originated from China.

Figure 2.5-1 China's export volume of acesulfame potassium, 2017–2019



Source: China Customs & CCM

Figure 2.5-2 Monthly exports of acesulfame potassium from China, Jan. 2017–Dec. 2019



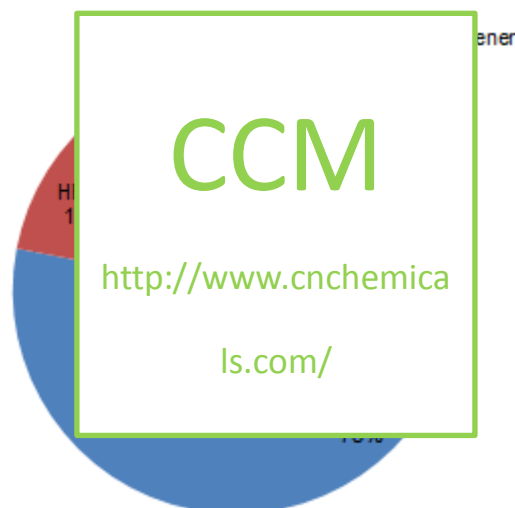
Source: China Customs & CCM

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## 2.6 Consumption

### - Consumption situation

Figure 2.6-1 Global market share of sweeteners, 2018



Source: CCM

Table 2.6-1 Global sales share of non-sucrose sweeteners, 2019

Non sucrose sweeteners	Share
HFCS	XXX
Artificial sweetener	XXX
Others	XXX

Source: CCM

...

**- Consumption pattern**

Acesulfame potassium is mainly used in XXX and XXX industries. The apparent consumption of acesulfame potassium in China was XXX tonnes in 2019.

Figure 2.6-2 Downstream industry of acesulfame potassium in China, 2019



Source: CCM

Table 2.6-2 Consumption pattern of acesulfame potassium in China, 2019

Downstream segment		Consumption, tonne	Consumption share
XXX	XXX	XXX	XXX %
	...	XXX	XXX %
XXX	XXX	XXX	XXX%
	...	XXX	XXX%
Others		XXX	XXX%
<b>Total</b>		<b>XXX</b>	<b>100.0%</b>

Source: CCM

...

- End user

...

### 3 Forecast

#### 3.1 Factors influencing China's acesulfame potassium industry

- Drivers

...

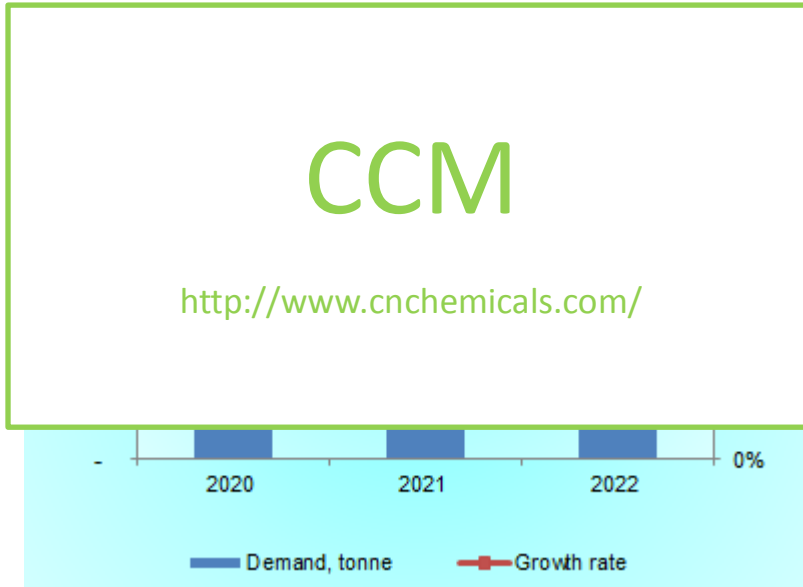
- Barriers

...

### 3.2 Supply & demand forecast

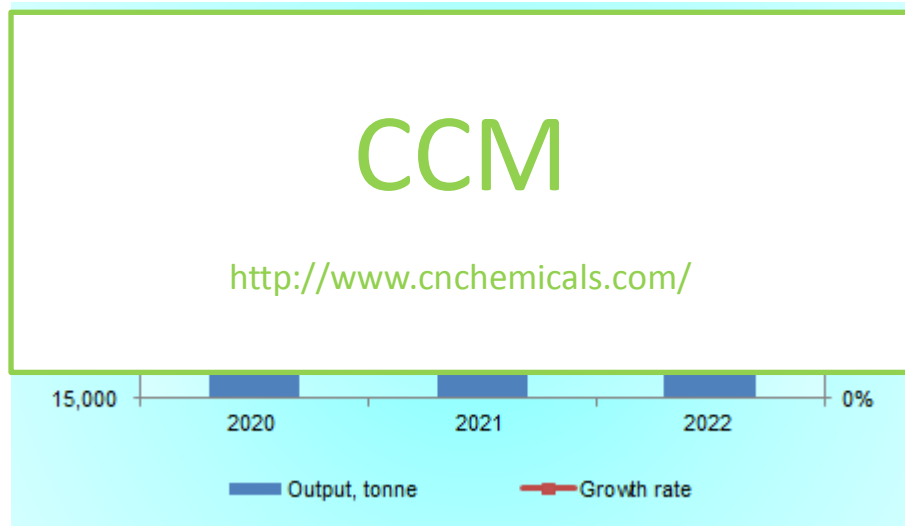
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Figure 3.2-1 Forecast on demand for acesulfame potassium in China, 2020–2022



Source: CCM

Figure 3.2-2 Forecast on output for acesulfame potassium in China, 2020–2022



Source: CCM

It's estimated that rapid growth in domestic demand for acesulfame potassium will take place in the coming years, reaching about XXX tonnes in 2022 with a CAGR of XXX% in 2020–2022. Meanwhile, the supply of acesulfame potassium will reach about XXX tonnes in 2022 with a CAGR of XXX% in 2020–2022.

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