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**INDUSTRY STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**LY/T 3205-2020**

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**Special bamboo charcoal flake  
(English Translation)**

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## Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed and managed by the National Bamboo and Rattan Standardization Technical Committee (SAC/TC263).

Drafting organizations of this standard. Zhejiang Agriculture and Forestry University, Zhejiang Shengtian Holding Co., Ltd., Anji County Huasen Bamboo Charcoal Products Co., Ltd., Quzhou Jingli Bamboo Charcoal Co., Ltd., Zhejiang Jizhu Biological Technology Co., Ltd., Quzhou Modern Carbon Industry Co., Ltd., Fujian Zhujia Girl Industry and Trade Co., Ltd., Jiang Shan City Lvji Bamboo Charcoal Co., Ltd., Quzhou Bamboo Charcoal Industry Co., Ltd., Quzhou Vocational Secondary School in Qujiang District, Suichang County Wenzhao Bamboo Charcoal Co., Ltd., Ning Bo Yongwen New Energy Equipment R&D Co., Ltd., Sichuan Jinglei Technology Co., Ltd., Double Gun Technology Co., Ltd., Zhejiang Jiuchuan Bamboo and Wood Co., Ltd.

Co., Ltd., Zhejiang Shuangqiang Bamboo and Wood Co., Ltd., Zhejiang Dechang Bamboo and Wood Products Co., Ltd., Zhejiang Baishanzu Industry and Trade Co., Ltd., Jiangxi Dongfang Mingzhu Bamboo Industry Co., Ltd., Zhejiang Qianshu Household Products Co., Ltd.

Drafters of this standard. Zhang Wenbiao, Li Wenzhu, Ying Weijun, Zhong Jinhuan, Yu Wenjun, Dai Meixiang, Hua Xilin, Zhang Shuixiang, Wu Quansheng, Wu Meizhong, Mao's daughter, Cheng Hongcai, Zhu Jianfeng, Fang Ping, Chen Wenzhao, Wang Jianqin, Yan Jun, Zhou Zhaocheng, Zhou Yifan, Lian Suxiang, Shen Dechang, Wu Rong, Zhou Yicong, Lan Xiaobo.

Special bamboo charcoal

## 1 Scope

This standard specifies the terms and definitions, classification, requirements, inspection methods, inspection rules, signs, packaging, storage and transport.

This standard applies to bamboo charcoal used for food storage, improvement of drinking water and diet quality, but not for direct consumption.

## 2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 12496.8 Test method for wooden activated carbon-Determination of iodine adsorption value GB/T 5750.11 Standard Test Method for Drinking Water Disinfectant Index GB/T

24525-2009 Determination of resistivity of carbon materials GB/T 26913-2011 bamboo charcoal GB 31604.7 National Food Safety Standard Food Contact Material and Products Decolorization Test GB 31604.49 National Food Safety Standard Food contact materials and products Determination of arsenic, cadmium, chromium, lead and arsenic, cadmium, chromium, nickel, Determination of migration of lead, antimony and zinc LY/T 1929-2010 Bamboo charcoal basic physical and chemical properties test method BB/T 0049-2008 mineral desiccant for packaging

### 3 Terms and definitions

The following terms and definitions apply to this document.

Food contact bamboo charcoal flake the flaky charcoal made from bamboo by high-temperature carbonization technology is mainly used in food storage, rice cooking and drinking water improvement.

Capability of unit adsorption the actual mass of water vapor absorbed by a unit mass of bamboo charcoal at  $25^{\circ}\text{C}\pm 2^{\circ}\text{C}$  temperature and standard atmospheric pressure.

[BB/T 0049-2008, Terms and Definitions 3.3]

### 4 Categories

It is divided into bamboo chip charcoal for food storage, bamboo chip charcoal for drinking water and bamboo chip charcoal for cooking.

#### 5.1 Sensory requirements

Black, no odor.

5.2 Common specifications are as follows.

--Length. 30 mm ~200 mm;

--Width. 15 mm ~50 mm.

Specifications and dimensions can also be agreed upon by both parties.

#### 5.3 Physical and chemical performance indicators

Should meet the requirements of Table 1.

#### 6.1 Sensory testing

Take an appropriate amount of the sample and place it in a clean, dry white porcelain dish. Under natural light, observe its color and state, and smell its smell.

## **6.2 Determination of moisture content**

According to the provisions of GB/T 26913-2011 in 6.3.

## **6.3 Determination of resistivity**

Carry out according to the provisions of 4.3 in GB/T 24525-2009.

## **6.4 Determination of ash content**

According to the provisions of GB/T 26913-2011 in 6.4.

## **6.5 Determination of fixed carbon content**

According to the provisions of GB/T 26913-2011 6.6.

## **6.6 Determination of iodine value content**

According to the provisions of GB/T 12496.8.

## **6.7 Determination of dissolved pH**

According to LY/T 1929-2010, 4.6.

## **6.8 Determination of total arsenic content**

According to the provisions of GB 31604.49.

## **6.9 Determination of lead content**

According to the provisions of GB 31604.49.

## **6.10 Determination of cadmium content**

According to the provisions of GB 31604.49.

## **6.11 Determination of chromium content**

According to the provisions of GB 31604.49.

## **6.12 Determination of water vapor adsorption capacity**

According to BB/T 0049-2008, 6.1.

## **6.13 Decolorization test**

According to the provisions of GB 31604.7.