

ICS 75.160.10

D 24



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

**中华人民共和国国家标准**

GB/T 7701.2-2008

Replace GB/T 7701.4-1997

---

**Granular activated carbon from coal—Granular  
activated carbon from coal for water treatment**

**煤质颗粒活性炭 净化水用煤质颗粒活性炭**

**Issued on November 20, 2008**

**Implemented on May 01, 2009**

**Issued by General Administration of Quality Supervision, Inspection  
and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of  
China**

# Contents

<b>Foreword</b> .....	<b>1</b>
<b>1 Scope</b> .....	<b>3</b>
<b>2 Normative references</b> .....	<b>3</b>
<b>3 Requirement</b> .....	<b>4</b>
<b>4 Inspection rules</b> .....	<b>4</b>
<b>5 Inspection method</b> .....	<b>8</b>
<b>6 Mark, package, transportation, storage</b> .....	<b>9</b>
<b>Annex A (Normative) Measurement of humic acid absorption value</b> .....	<b>10</b>
<b>Annex B (Normative) Measurement of tannin acid absorption value</b> .....	<b>15</b>
<b>Annex C (Normative) Measurement of water soluble substance</b> .....	<b>19</b>

## Foreword

GB/T 7701 granular activated carbon from coal could be divided into:

- Part 1: granular activated carbon from coal for gas phase;
- Part 2: granular activated carbon from coal for water treatment;
- Part 3: granular activated carbon from coal for carrier.

This part is the Part 2 of GB/T 7701, and the revision in Annex C adopts ASTM D 5029—1998 standard test method for water soluble content in activated carbon (reconfirmation in 2004). The major changes are as follows:

- cancel security terms within the scope;
- cancel some sections in cited reference, terminology, introduction on test method, meaning and use, and keywords;
- cancel the example in result calculation;
- cancel repeated requirement in sections of precision and deviation.

This part shall replace GB/T 7701. 4-1997 granular activated carbon from coal for water treatment. The major changes are as follows:

- cancel quality classification;
- formulate indicator for water soluble substance;
- methylene blue in factory inspection item shall be changed from inspection item to item to be agreed by supply and requisitioning parties;
- iodine value changed to 800 RNG/g or higher ;
- cancel indicator of ash content;
- it's no longer stipulate specific technical indicators for pore volume specific surface area;
- increase measurement of humic acid adsorption value in annex A;
- increase measurement of tannin acid adsorption value in annex B;
- increase measurement of water soluble substance in annex C;

Annex A, annex B and annex C in this part are normative annex.

This part is put forward by China

This part of the appendix A, appendix B, appendix C are appendix.

This part proposed by China North Industries Group Corporation and under its jurisdiction.

The drafting units of this part are: Shanxi Xinhua Chemical Co., Ltd.

The main draftsmen of this part are: Zhang Xu, Pang Huisheng, Li Huaizhu, Li Weibing, Wu Yan.

The previous standard versions replaced by this part were issued as follows:

- GB/T 7701.4—1987;
- GB/T 7701.4—1997。

# **Granular activated carbon from coal**

## **Granular activated carbon from coal for water treatment**

### **1 Scope**

This part specifies the requirements, inspection rules, test methods, mark, package, transportation storage and so on for granular activated carbon from coal for water treatment.

This part is applicable to dechlorination, oil removal and purification for industrial water, and further purification treatment for drinking water and sewage, as well as granular activated carbon from coal for water treatment if water source are polluted abruptly.

### **2 Normative references**

The articles contained in the following documents have become this part of GB/T 7701 when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 1914 Chemical analytical filter paper

GB/T 6682 Water for analytical laboratory use - Specification and test methods (GB/T 6682-2008, ISO 3696: 1987, MOD)

GB/T 7701.1-2008 Granular activated carbon from coal - Granular activated carbon from coal for gas adsorption

GB/T 7702.1 Determination of moisture in granular activated carbon from coal

GB/T 7702.2 Standard test method for particle size distribution of granular activated carbon from coal

GB/T 7702.3 Test method for granular activated carbon from coal - Determination of hardness

GB/T 7702.4 Standard test method for packing density of granular activated carbon from coal



北京文心雕语翻译有限公司  
Beijing Lancarver Translation Inc.

---

---

---

**完整版本请在线下单/Order Checks Online for Full Version**

**联系我们/or Contact :**

TEL: 400-678-1309

QQ: 19315219 | Skype: Lancarver

Email : [info@lancarver.com](mailto:info@lancarver.com)

<http://www.lancarver.com>

---

---

**线下付款方式 :**

**I. 对公账户 :**

**单位名称 :** 北京文心雕语翻译有限公司

**开 户 行 :** 中国工商银行北京清河镇支行

**账 号 :** 0200 1486 0900 0006 131

---

---

**II. 支付宝账户 : [info@lancarver.com](mailto:info@lancarver.com)**

**III. Paypal: [info@lancarver.com](mailto:info@lancarver.com)**

---

---

注: 付款成功后, 请预留电邮, 完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱, 如需索取发票, 下单成功后的三个工作日内安排开具并寄出, 预祝合作愉快!

**NOTE** All documents on the store are in electronic Adobe Acrobat PDF format, there is not sell or ship documents in hard copy. Mail the order and payment information to [info@lancarver.com](mailto:info@lancarver.com), you will shortly receive an e-mail confirming your order.

---

