



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

GB/T 7702.4-1997

**Standard test method for granular activated carbon from coal -
Determination of apparent density
(English Translation)**

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Table of Contents

Foreword...	3
1 Scope...	4
2 Normative references...	4
3 Summary of method...	4
4 Instruments and devices...	4
5 Sample and preparation...	5
6 Determination procedures...	5
7 Process of determination results...	6
8 Test report...	6

Foreword

This Standard is a revised edition of GB 7702.4-87 according to American Society for Testing Material standard ASTM D 2854-89 (certified in 1993) "Standard Test Method for Apparent Density of Activated Carbon". It adopts equivalent standard content of ASTM D 2854-89 (certified in 1993) on main technical content. Determination of apparent density is changed from manual tapping in GB 7702.4-87 to electric vibration falling in this Standard. After issued and implemented, this Standard supports the use of national standard GB/T 7701.1-1997 ~ 7701.7-1997 "Granular Activated Carbon from Coal".

This Standard replaces GB 7702.4-87, from the effective date. Implementation transitional period of this Standard is one year.

This Standard was proposed by China North Industries Corporation.

This Standard shall be under the jurisdiction of the Institute of China Ordnance Industrial Standardization.

Drafting organization of this Standard. Shanxi Xinhua Chemical Plant.

Main drafters of this Standard. Wang Yueyi, Zhang Xu, Zhang Chongjie, Wang Jianguang, Zhang Lirong, and Yuan Zhi.

This Standard was issued in April, 1987 for the first time.

This Standard is entrusted to Shanxi Xinhua Chemical Plant for interpretation.

National Standard of the People's Republic of China

Standard Test method for Granular

Activated Carbon from Coal

- Determination of Apparent Density

Replacing GB 7702.4-87

1 Scope

This Standard specifies the contents such as instruments, determination procedures, processing of determination results that are required for the determination of apparent density of granular activated carbon from coal.

This Standard applies to the determination of apparent density of granular activated carbon from coal (hereinafter referred to as activated carbon).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties who enter into agreement based on this Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

GB/T 7702.1 Standard Test Method for Granular Activated Carbon from Coal -
Determination of Moisture Content

3 Summary of method

Activated carbon falls into a measuring cylinder through vibration. Weigh the mass of 100 mL of activated carbon. Calculate the apparent density.

4.2 Vibrating sieve machine. Revolving speed is 280 r/min ~ 320 r/min.

Knocking speed is 140 beats/min ~ 160 beats/min.

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