

Translated English of Chinese Standard: GB/T8719-2022

www.ChineseStandard.net → Buy True-PDF → Auto-delivery.

Sales@ChineseStandard.net

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 29.050

CCS Q 52

GB/T 8719-2022

Replacing GB/T 8719-2009

**General rule for packing, marking, storage, transport and
quality certificates of carbonaceous material and products**

炭素材料及其制品的包装、标志、储存、
运输和质量证明书的一般规定

Issued on: July 11, 2022

Implemented on: February 01, 2023

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC.**

Table of Contents

Foreword.....	3
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	5
4 General rules for packing	5
5 Packing materials.....	6
6 Packing requirements	6
7 Marking	9
8 Storage and transport	10
9 Quality certificates.....	10

Foreword

This document is drafted in accordance with GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document replaces GB/T 8719-2009 "General rule for packing, marking, storage, transport and quality certificates of carbonaceous material and products". Compared with GB/T 8719-2009, in addition to structural adjustment and editorial changes, the main content changes are as follows:

- Add general requirements for packing (see Clause 4);
- Change the packing material requirements (see Clause 5; 3.1 of the 2009 edition);
- Change the packing requirements (see Clause 6; 3.2 and 3.3 of the 2009 edition);
- Add packing requirements for carbon electrodes (see 6.3);
- Delete the safety line width requirements for graphite electrodes (see 4.1.1 of the 2009 edition);
- Delete the grade, weight and other requirements in the graphite electrode end marking (see 4.2 of the 2009 edition);
- Add dangerous goods transport marks and package marking methods (see 7.2.3);
- Change storage and transport requirements (see Clause 8; Clause 5 of the 2009 edition);
- Add the requirements for fire prevention during the storage and transport of carbonaceous material and products (see 8.6);
- Change the requirements for quality certificates (see Clause 9; Clause 6 of the 2009 edition).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority of this document shall not be held responsible for identifying any or all such patent rights.

This document was proposed by China Iron and Steel Association.

This document shall be under the jurisdiction of National Technical Committee 183 on Steel of Standardization Administration of China (SAC/TC 183).

Drafting organizations of this document: Shanxi Juxian Graphite New Materials Co.,

General rule for packing, marking, storage, transport and quality certificates of carbonaceous material and products

1 Scope

This document specifies the general rules for packing, packing materials, packing requirements, marking, storage and transport, and quality certificates of carbonaceous material and products.

This document applies to carbonaceous material and products.

2 Normative references

The contents of the following documents, through normative references in this text, constitute indispensable provisions of this document. Among them, for dated references, only the edition corresponding to that date applies to this document. For undated references, the latest edition (including all amendments) applies to this document.

GB 190 Packing symbol of dangerous goods

GB/T 191 Packaging - Pictorial marking for handling of goods

3 Terms and definitions

There are no terms and definitions to be defined in this document.

4 General rules for packing

4.1 In order to ensure the quality and use performance of carbonaceous material and products, and not to be damaged during handling, transport and storage; according to the type, specification, performance, and mode of transport of carbonaceous material and products; the packing materials and methods shall be determined, respectively.

4.2 The packing shall conform to the size of the product, to ensure that the product is in a stable position in the packing and will not move or be damaged.

4.3 The packing shall be firm and not easily damaged, to ensure the normal use of the product.

4.4 The packing shall meet the requirements of mechanical handling such as cranes and

forklifts.

4.5 The packing site, tools, materials, etc. shall be clean and tidy to avoid product contamination.

5 Packing materials

5.1 It is recommended to use recyclable or degradable environmentally-friendly materials as packing materials, including but not limited to the following materials: wood; straw rope; iron box (drum); corrugated paper; corrugated carton (barrel); plastic woven bag; foam plastic; plastic packaging film (bag); aluminum-plastic packaging bag; paper bag; steel strip (galvanized steel strip, packing steel strip); plastic packing belt (frame); plastic stretch film; plastic cloth; plastic tape; soft filler; container bag, etc.

5.2 Packing materials used for export product packing shall comply with relevant regulations on export inspection and quarantine.

5.3 Packing materials shall comply with relevant standards or user requirements.

6 Packing requirements

6.1 General

The packing of carbonaceous material and products shall meet the requirements of product protection, convenient transport, handling, and storage. For products transported in containers, the shipping packing shall match the size of the container. If the user has special requirements for packing materials and packing methods, it can be implemented according to the agreement between the supplier and the purchaser.

6.2 Packing requirements for graphite electrodes

6.2.1 Graphite electrodes shall be packed in wooden boxes, wooden slats and bottom brackets that meet the load-bearing requirements. The joint holes shall be protected using foam plastic covers or corrugated cardboard covers, and reinforced with steel straps. The contact surface between the steel strip and the electrode should be cushioned with buffer materials such as corrugated cardboard.

6.2.2 The packing of each component shall be symmetrical and uniform. The wooden components shall be connected in a staggered manner with steel nails. There shall be no missing nails, rising nails, and protruding nail caps and tips. The steel strip shall be tightly tied and shall not be loose.

6.2.3 The upper part of the bottom support shall have a block or wedge structure to prevent the electrode from rolling. The lower part of the bottom support shall have a

The packing of graphite anode shall be carried out according to relevant standards.

6.7 Packing requirements for carbon blocks and graphite blocks for blast furnaces

6.7.1 Carbon blocks and graphite blocks for blast furnaces shall be packed in wooden boxes and bottom brackets; and tied with steel strips. The inner lining is waterproof with plastic cloth.

6.7.2 The space between the product and the wooden box shall be filled with soft fillers such as corrugated paper or foam plastic. The wooden box shall be firm to prevent loosening and bumping during transport.

6.8 Packing requirements for carburizers for steelmaking

6.8.1 According to the packing form, carburizers for steelmaking are divided into small packages and container bags.

6.8.2 In the form of small package, the product can be put into a plastic bag and sealed first; then put into a plastic woven bag or paper bag and sewed; or packed in a plastic woven bag lined with plastic film and then tightly sewed.

6.8.3 For products directly packed in container bags, the container bags shall be lined with plastic bags or lined with plastic film.

6.8.4 The packing process shall be done in a clean and dry environment.

6.9 Packing requirements for graphite-based negative electrode materials

6.9.1 According to the packing form, graphite-based negative electrode materials are divided into small packages and container bags.

6.9.2 In the form of small package, the product can be put into a plastic packing bag and sealed first; then packed into a corrugated carton (barrel).

6.9.3 For products directly packed in container bags, the container bags shall be lined with plastic bags or plastic film. The container bags should not be filled to the brim. It is recommended that each bag has a net weight of 500 kg.

6.9.4 The packing process shall be done in a clean and dry environment.

6.10 Packing requirements for activated carbon for supercapacitors

6.10.1 First put the product into a moisture-proof packing bag (it is recommended to use a plastic sealed bag, aluminum-plastic sealed bag); then vacuum-seal it; then pack it in a composite bag or plastic bucket, paper bucket, etc.

6.10.2 The packing environment shall meet the requirements of the product in terms of

temperature, humidity and other conditions. It shall not affect the product quality.

6.11 Packing requirements for other carbonaceous materials and products

6.11.1 When packing the product, it shall be fixed. The fragile parts shall be packed with soft filler, to prevent loosening and damage during transport.

6.11.2 Bulk carbonaceous materials shall be packed in wooden boxes, iron boxes (drums) or plastic woven bags lined with plastic cloth. There shall be no leakage.

7 Marking

7.1 Product marking

7.1.1 Marking for graphite electrode products

7.1.1.1 The finished graphite electrode shall be marked with a safety line on the surface of the electrode corresponding to the bottom of the joint hole.

7.1.1.2 The safety line mark of the finished graphite electrode shall be uniform and clear. There shall be no sticking phenomenon. There shall be no two or more safety line marks on the same end.

7.1.1.3 The bottom of the joint hole of the finished graphite electrode shall be affixed with a label. The label shall indicate the type, specification, bulk density, resistivity, weight, production date, etc.

7.1.2 Marking for finished carbon blocks

Finished carbon blocks shall be marked with materials that are not easy to fall off. The marks shall be clear and firm.

7.2 Package marking

7.2.1 The package shall, on the obvious part of the outer surface, be marked with the name of the manufacturer, product designation, model, specification, executed standard, grade, quantity, gross weight, and net weight, etc. Each product shall be accompanied by a certificate of conformity or a mark of conformity.

7.2.2 The transport marks and package marking methods shall be in accordance with the provisions of GB/T 191.

7.2.3 Dangerous goods transport marks and package marking methods shall be in accordance with the provisions of GB 190.

7.3 Other

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----