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

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Determination of bulk density of coke in a small container

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7.1 Place the container (see 5.1) on the weighing instrument (see 5.2) and record its mass m_1 .

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

This document has been revised and adopted ISO 567.1995 "Method for Measuring the Bulk Density of Coke in Small Containers".

Compared with ISO 567.1995, this document has technical differences. The corresponding technical differences and their reasons are given in Appendix A.

List.

The following editorial changes have been made to this document.

---Modified the standard name.

1 Scope

This document specifies the terms and definitions, principles, equipment, and sample collection for measuring the bulk density of coke in a vessel with a volume of 0.2m³.

Take and reduce scores, test procedures, result calculations and precision, etc.

This document applies to coke with a particle size not greater than 125mm.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations

Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

This document.

GB/T 1997 Collection and preparation of coke samples

GB/T 2001 Analysis and determination method for coke industry

GB/T 8170 Numerical rounding rules and the expression and determination of limit values

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Bulk density of coke

Under specified conditions, the ratio of the mass of coke filled in the container to the volume of the container.

4 Principle

Fill a container with known mass and volume with coke, and calculate the bulk density of coke based on the mass of coke in the container and the volume of the container.

5 Equipment

5.1 Container. a cube with a volume of 0.2m³, a smooth inner surface, a firm structure, and an external handle.

5.2 Weighing instrument. platform scale or electronic scale, the maximum weighing 300kg, weighing error does not exceed 0.1% of the maximum load.

6 Sample taking and reduction

The sampling and reduction of samples shall be carried out in accordance with the provisions of GB/T 1997.