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

GB 34169-2017

Commercial coal quality - Civil bulk coal

商品煤质量 民用散煤

Issued on: September 7, 2017

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**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine;
Standardization Administration of China**

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1 Scope

National mandatory standard governing civil bulk coal - unprocessed coal sold for household cooking and heating. It sets the terms and definitions, the permitted raw materials, the product grades, the quality limits with their corresponding test methods, the inspection rules, and the requirements for marking, transport and storage. Four grades are defined across anthracite and bituminous coal, each capped on volatile matter, sulfur, ash, fines content and five trace pollutants - phosphorus, chlorine, arsenic, mercury and fluorine - reflecting China's push to cut household coal emissions. Lignite, coal slime and other low-grade fuels are explicitly barred as feedstock. Issued 7 September 2017 and in force since 1 January 2018, it applies across production, processing, storage, transport, sale and use of civil bulk coal, and sits alongside GB 34170-2017, which covers the briquette form of the same fuel.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. None of them carries a year in the original, so the current edition applies.

GB/T 212 Proximate analysis of coal · GB/T 214 Determination of total sulfur in coal · GB/T 216 Determination of phosphorus in coal · GB/T 474 Method for preparation of coal samples · GB/T 475 Method for manual sampling of commercial coal · GB/T 477 Method for size analysis of coal · GB/T 3058 Determination of arsenic in coal · GB/T 3558 Determination of chlorine in coal · GB/T 4633 Determination of fluorine in coal · GB/T 16659 Determination of mercury in coal · GB/T 17608 Classification and grading of coal products · GB/T 19494.1 Mechanical sampling of coal - Part 1: Sampling methods · GB/T 19494.2 Mechanical sampling of coal - Part 2: Preparation of coal samples · GB/T 25209 Marking of commercial coal · GB/T 25212 Semi-coke products - Varieties and classification · GB/T 25214 Determination of total sulfur in coal - Infrared spectrometry · GB/T 30732 Proximate analysis of coal - Instrumental method · GB/T 31087 Technical requirements for debris control in commercial coal · GB/T 31356 Technical guidance for quality evaluation and control of commercial coal · SN/T 3511 Minerals - Determination of mercury - Direct mercury analyser, general principles

4 Raw material requirements

The permitted feedstocks are anthracite, bituminous coal and semi-coke.

Lignite, coal slime and other low-grade coals are expressly forbidden as feedstock.

5 Product classification

Four product grades are defined: anthracite No. 1, anthracite No. 2, bituminous coal No. 1 and bituminous coal No. 2.

6 Requirements and test methods

Table 1 caps nine parameters for each grade: volatile matter V_{daf} , total sulfur $S_{t,d}$, ash A_d , pulverized coal content below 0.5 mm, phosphorus P_d , chlorine Cl_d , arsenic As_d , mercury Hg_d and fluorine F_d .

Each parameter is tied to a specific test method among the normative references. Three of the nine admit an alternative method; where the two disagree, the primary method prevails.

7 Inspection rules

Inspection is by lot, a lot being the daily production or the daily sale.

The factory inspection covers three of the nine parameters; the type test covers all nine. Five circumstances trigger the type test.