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

GB/T 31862-2015

Commercial coal quality - Lignite

商品煤质量 褐煤

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Quarantine;
Standardization Administration of the PRC**

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. The standard proposed by China Coal Industry Association. This standard coal by the National Standardization Technical Committee (SAC/TC42) centralized. This standard was drafted. Coal Institute of Science and Technology Co., Ltd. Branch Coal Chemical, Shenhua Group Sales Co., Ltd. Beijing Hua Heng God Yun Energy Technology Co., Ltd. The main drafters of this standard. Tu Hua, Cuifeng Hai, Jiang Ying, Gu Hongwei, Luo Yun-Fei, Li Xiaowei, Zhu Chuan, Miuxi Wei, Chen Hongbo, Prince dry. Product quality lignite coal

1 Scope

China's national standard for the quality of commercial lignite. It specifies the terms, the basis on which the coal is classified, the technical requirements by quality grade, the test methods, the quality inspection, the grading and acceptance, and the marking requirements, and it applies to the production, processing, storage, transport, sale, import and use of lignite. Lignite is the youngest and lowest rank of coal, and its properties follow from that. It carries a great deal of moisture - often a third of its mass as mined - and its calorific value is correspondingly low, so a tonne of lignite delivers far less heat than a tonne of bituminous coal. It also weathers rapidly on exposure to air, losing moisture and gaining oxygen, and it is prone to spontaneous combustion in a stockpile because its large surface area and high reactivity let oxidation heat build up faster than the pile can lose it. Those properties make lignite awkward to trade and dangerous to store, and they are why it needs a commercial quality standard of its own rather than being covered by the general one. The document sits within the framework created to implement China's air pollution action plan, alongside the general commercial coal guide, and it applies to lignite the same logic: fix the quality grades, fix what is measured and how, and require the result to be declared. The trace elements matter here as much as the conventional properties, because lignite's low calorific value means more of it is burnt for the same heat, and everything it contains is multiplied accordingly. Issued on 11 September 2015 and in force since 1 December 2015.

This standard specifies the terms of goods lignite coal, coal-based determination, quality

level technical requirements, test methods, quality inspection, grading and determination Acceptance, marking requirements. This standard applies to the production, processing, storage, transportation, sale, importation, use and other aspects of lignite.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. Determination of total moisture in

GB/T 211 coal Analysis Method GB/T 212 coal Heat

GB/T 213 Determination of coal Determination of total sulfur in GB/T 214 coal

GB/T 216 Determination of phosphate in coal

GB 474 coal sample preparation

GB 475 coal samples of goods taken by artificial methods

GB/T 477 Coal Screening Test Method

GB/T 3058 Determination of Arsenic in Coal

GB/T 3558 Determination of Chlorine in Coal

GB/T 3715-2007 term analysis of coal quality and coal

GB/T 5751 Chinese coal classification

GB/T 16659 Determination of mercury in coal

GB/T 18666 commercial coal quality sampling and inspection methods

GB/T 19494.1 coal mechanization sampling - Part 1. Sampling GB part/T 19494.2 coal mechanization sampling 2. Preparation of coal sample

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Commercial coal commercialcoal After coal processing coal products for sale. It can be divided into power coal, metallurgical coal, chemical raw materials such as coal category.