

ICS 73.040

CCS D 23



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

GB/T 7562-2018

**Commercial coal quality - Coal for pulverized coal-fired boilers
for power generation**

商品煤质量 发电煤粉锅炉用煤

Issued on: May 14, 2018

Implemented on: December 1, 2018

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

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Product quality level and technical requirements

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 7562-2010 "Technical Conditions for Coal for Power Generation Pulverized Coal Boiler". This standard is in line with GB/T 7562-2010 The main technical content changes are as follows:

--- The standard name was changed to "commercial coal quality power generation coal powder boiler coal";

--- The scope is modified to the quality grade and technical requirements, test methods, inspection rules, marking, transportation and use of coal products for power generation pulverized coal boilers. Storage

--- Increased the division of coal products for power generation pulverized coal boilers, classified according to volatile matter, and quality according to calorific value and total sulfur index The classification is expressed in the form of "category calorific level and full sulfur level";

--- Added Appendix A "Product Catalog". This standard was proposed by the China Coal Industry Association. This standard is under the jurisdiction of the National Coal Standardization Technical Committee (SAC/TC42). This standard was drafted. Coal Science and Technology Research Institute Co., Ltd., Xi'an Thermal Power Research Institute Co., Ltd., Shenhua Sales Group Co., Ltd. Division, Huadian Electric Power Research Institute, Shanxi Jincheng Anthracite Coal Mining Group Co., Ltd., Yankuang Group Co., Ltd., Huainan Mining (Group) Limited Liability Company, Shandong Energy Group Co., Ltd., Huaibei Mining Co., Ltd., Shenhua Guoneng Fuel Co., Ltd., China Huaneng Group Company, Lihong Zhixin (Beijing) Technology Co., Ltd. The main drafters of this standard. Bai Xiangfei, Chen Yafei, Yao Wei, Li Xiaojiang, Cui Fenghai, Wang Xingwu, Chen Hongbo, Jiang Ying, Guo Qingliang, Li Wei, Yang Lin, Tong Peiguo, Wang Jianwen, Gao Zhiqiang, Shi Jinji, Meng Xiangjun, Liu Zhongdong, Zhang Qilin, Huang Haifeng, Qi Xiwei, Cui Songtao, An Manlin, Sun Shouhu, Zhang Yi, Luo Yifei, Wang Yu. The previous versions of the standards replaced by this standard are.

---GB/T 7562-1987, GB/T 7562-1998, GB/T 7562-2010. Commercial coal quality power

generation coal powder boiler coal

1 Scope

China's national quality standard for coal supplied to pulverised coal boilers for power generation. This is the specification behind the largest single commodity flow in China: the coal that feeds the power stations, moved by dedicated railways and ports in the hundreds of millions of tonnes. What a boiler needs from its coal goes well beyond calorific value. The ash content determines how much inert material is being hauled and handled; the ash's fusion temperature determines whether it will slag on the furnace walls and foul the superheaters, which is the commonest cause of a forced outage; the volatile matter governs flame stability at low load, which now matters constantly because coal plants follow the renewables; the moisture affects the mill; and the sulfur determines the desulfurisation duty. The standard specifies the quality grades and technical requirements, test methods, inspection rules, marking, transport, storage and use, and does not apply to pithead self-use coal or low calorific value coal-fired plants.

This standard specifies the quality grade and technical requirements, test methods, inspection rules, marking, transportation and use of coal products for power generation pulverized coal boilers. Storage. This standard is applicable to coal for power generation pulverized coal boilers used in production, processing, storage, transportation, sales and use. This standard does not apply to coal used in pits for self-use coal and low calorific value coal-fired power plants.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 211 Determination method of total moisture in coal Industrial analysis method of GB/T 212 coal

GB/T 213 coal calorific value measuring method

GB/T 214 Determination method of total sulfur in coal

GB/T 216 Determination method of phosphorus in coal Preparation method of GB/T 474 coal sample

GB/T 475 commercial coal sample manual method

GB/T 477 coal screening test method

GB/T 3058 Determination method of arsenic in coal

GB/T 3558 Determination method of chlorine in coal

GB/T 5751-2009 China Coal Classification

GB/T 16659 Determination method of mercury in coal

GB/T 19494.1 Mechanized sampling of coal - Part 1. Sampling method

GB/T 19494.2 Mechanized sampling of coal - Part 2. Preparation of coal

GB/T 25209 commercial coal logo

3 Product quality level and technical requirements

3.1 General The coal used for power generation pulverized coal boilers is classified according to the volatile matter, and the quality grade is divided according to the calorific value and the total sulfur index.