

ICS 73.040
CCS D20



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

GB/T 15588-2013

Replacing GB/T 15588-2001

Classification of macerals for bituminous coal

烟煤显微组分分类

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 15588-2001 "bituminous coal MACERALS classification." Compared with GB/T 15588-2001, the main changes as follows:

--- The "macrinite" into "macrinite 1" and "2 macrinite" two sub-microscopic components. 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 Science and Industry Group, Xi'an Institute. The main drafters of this standard. Qun, Xiao Wen Zhao, Pei Yuan, Douting Huan, LuoJun Wen. This standard replaces the standards previously issued as follows:

--- GB/T 15588-1995, GB/T 15588-2001. Bituminous coal classification MACERALS

1 Scope

GB/T 15588-2013 is the Chinese national standard on classification of macerals for bituminous coal, in the field of mining and minerals. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 17 December 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2014. Classification: ICS 73.040, CCS D20. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the classification of bituminous microscopic components, name and code, and gives the characteristic microscopic components described bituminous coal. This standard applies to bituminous coal resource evaluation, processing and utilization of research and genetic aspects of production, research and teaching. Ranks and Bituminous

coal and anthracite lignite closest reference can be used.

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.

GB/T 6948 coal vitrinite reflectance microscope measuring method (GB/T 6948-2008, ISO 7404-5.1994, MOD)

GB/T 12937 Rock term coal (GB/T 12937-2008, ISO 7404-1.1994, MOD)

3 Classification principles

Cause and technological properties using the principle of combining a microscope under oil immersion reflected light characteristics, combined with transmitted light and fluorescence characteristics into Classify. First, according to the color of the reflected power coal organic components, projections, morphological, structural characteristics, divided microstructure grouping; then according to the cell structure Differences in the degree of preservation, shape, size and optical characteristics of the microstructure group is further divided into sub-microscopic components and micro components.

4 Classification scheme

Bituminous coal MACERALS classification scheme in Table 1. Including three macerals, 20 microscopic components, 14 sub-microscopic components. its Features described in Appendix A. Table

1 Classification bituminous Maceral Macerals (MaceralGroup) Code (Symbol) MACERALS (Maceral) Code (Symbol) Microscopic subfraction (Submaceral) Code (Symbol) Vitrinite (Vitrinite) Structure vitrinite (Telinite) Structure of vitrinite 1 (Telinite1) Structure of vitrinite 2 (Telinite2) T1 T

2 Unstructured vitrinite (Colinite) Homogeneous vitrinite (Telocolinite) Desmocollinite (Desmocolinite) Clumps of vitrinite (Corpocolinite) Glial vitrinite (Gelocolinite) TC DC CC GC Vitrinite debris (Vitrodetrinite) VD - -