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GB

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

GB 474-2008

Replacing GB 474-1996

Method for Preparation of Coal Sample

(ISO 18283: 2006, Hard Coal and Coke-Manual Sampling, MOD)

煤样的制备方法

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Foreword

Chapter 4, Chapter 6, Chapter 7, Chapter 10 and Chapter 11 of this standard are mandatory and the others are recommendatory.

This standard is modified in relation to ISO 18283: 2006(E) "Hard Coal and Coke-Manual Sampling" (English version).

This standard was re-drafted mainly according to ISO 18283: 2006(E). The list for comparison of chapter and article numbers between this standard and ISO 18283: 2006(E) is given in Appendix A.

In consideration of the national condition of China, this standard is subjected to some modifications in the adoption of ISO 18283: 2006(E). Technical differences have already been incorporated into the text and marked with perpendicular single line at the margin of relevant clauses. The list for these technical differences and their reasons is given in Appendix B for reference.

For convenient application, some editorial changes are made to ISO 18283: 2006(E) as follows:

- "This international standard" is replaced by "this standard";
- Introduction of ISO 18283: 2006(E) is modified;
- Comma ",", which serves as decimal point in ISO standard, is replaced by ".".

This standard replaces GB 474-1996 "Preparation of Coal Sample".

Compared with GB 474-1996, main changes of this standard are as follows:

- Contents on general and precision of sample preparation (Chapter 3 of the original edition and Chapter 4 of this edition) are improved;
- Contents on sample constitution are added (Chapter 6 of this edition);
- "Coal sample greater than 25mm (particle size) shall not be divided before being crushed" is modified into "division may be carried out at any stage and the minimum mass of divided sample shall meet those specified in 7.2" (6.3 of the original edition and 7.1 of this edition);
- The minimum mass of divided sample at each particle size level is modified (6.7 of the original edition and 7.2 of this edition);
- Contents on mechanical dividing method and mechanical divider are added (7.3 of this edition);
- Two manual dividing methods are added (7.4.2 and 7.4.3 of this edition);
- Detailed explanations and specifications on division, reduction, mixing and air-drying etc. are added (Chapter 7, Chapter 8, Chapter 9 and Chapter 10 of this edition);
- Preparation methods of various coal samples are added (Chapter 11 of this edition);
- Operating requirements for extracting moisture sample of coal from common sample of coal with the nine-point picking out method are defined (11.4.1 of this edition).

Appendix A and Appendix B of this standard are informative, Appendix C and Appendix D of this standard are normative.

This national standard is proposed by the China National Coal Association.

This standard is under the jurisdiction of the National Technical Committee on Coal Chemical Industry of Standardization Administration of China.

NATIONAL STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA

GB 474-2008

Method for Preparation of Coal Sample

1 Scope

This standard specifies terms and definitions, sample constitution, reduction, mixing, division and air-drying for coal sample preparation, the preparation of various coal samples and reserve sample.

This standard is applicable to lignite, bitumite and hard coal.

2 Normative References

The following documents contain provisions which, through reference in this standard, constitute provisions of this standard. For dated references, subsequent amendments to (excluding correction to), or revisions of, any of these publications do not apply. However, parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. For undated references, its latest editions apply.

GB/T 211 "Determination of Total Moisture in Coal" (GB/T 211-2007, ISO 589-2003, NEQ)

GB/T 217 "Determination of True Relative Density of Coal"

GB 475 "Method for Manual Sampling of Commercial Coal" (GB 475-2008, ISO 18283: 2006 "Hard Coal and Coke-Manual Sampling", MOD)

GB/T 19494.3 "Mechanical Sampling of Coal-Part 3: Determination of Precision and Bias Test" (GB/T 19494.3-2004, ISO 13909-7: 2001, ISO 13909-8: 2001, NEQ)

3 Terms and Definitions

Terms and definitions specified in GB 475 and those below are applicable to this standard.

3.1

Sample preparation

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