

ICS 73.040

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

中华人民共和国国家标准

GB/T 477-2008

Replace GB/T 477-1998, GB/T 19093-2003

Method for Size Analysis of Coal

煤炭筛分试验方法

**(ISO 1953: 1994, Hard coal-Size analysis by
sieving, MOD)**

Issued on August 07, 2008

Implemented on March 01, 2009

Issued by

**General Administration of Quality Supervision, Inspection
and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of
China**

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Foreword

This standard adopts ISO 1953:1994 “Hard Coal - -Size Analysis by Sieving” for revision.

This standard is redrafted according to ISO 1953:1994. For ease of comparison, a general table of comparison between clauses of this standard and clauses of international standard is listed in informative annex A.

In consideration of national conditions of our country, some revisions are made during the adoption of ISO 1953: 1994; qualitative description is changed to operation procedures description; the technical differences are indicated in the margin blank beside the clauses that they involve by vertical single line. Annex B provides a general table on technical differences and the reasons for reference.

For ease of use, this standard also makes the following editorial changes:

- -Changing the word “this international standard” to “this standard”;
- -Deleting the foreword and introduction of ISO 1953: 1994.

This standard replaces GB/T 477 -199S “Method for Size Analysis of Coal” and GB/T 19093 -2003 “Test Method for Size Analysis of Pulverized Coal”

Compared with GB/T 477 -1998 and GB/T 19093 -2003, main changes of this standard are as follows:

- -Increasing the definitions of “size analysis of coal” and “fine coal size analysis”;
- -Increasing annex A and annex B;
- -The difference value of coal sample mass before testing and the mass sum of coal samples of various size fractions after testing verified by test results is changed from 2% and 2. 5% to a unified 1%.

Annex C of this standard is normative, while annex A, annex B, annex D and annex E are informative.

This standard is proposed by CHINA NATIONAL COAL ASSOCIATION.

This standard is under the jurisdiction of National Coal Standardization Technical Committee of China (SAC/TC 42).

Drafting unit of this standard: China Coal Research Institute CCRI Tangshan Research Institute.

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Previous versions that this standard replaces are issued as follows:

- -GB/T 477 -1964,GB/T 477 -1980,GB/T 477 -1987, GB/T 477 -1999.
- -GB/T 19093 -2003.

Method for Size Analysis of Coal

1 Scope

This standard specifies coal size analysis general rules, coal sample, size analysis equipments and operation, laboratory analysis items and results finishing.

This standard applies to determination of yield, ash content, moisture, sulfur content, etc. of lignite, bituminous coal, anthracite and other coal samples of various size fractions.

2 Normative references

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all subsequent modifications (including all corrections) or revisions made thereafter do not apply to this standard. However, the parties that reach an agreement according to this standard are encouraged to study whether the latest versions of these documents may be used. For the undated documents so quoted, the latest versions (including all modification sheets) apply to this document.

GB 474 -1996 Method of preparing coal samples (eqv ISO 1988:1975)

GB/T 478 Method for float and sink analysis of coal (GB/T 478 -2008, ISO 7936:1992, MOD)

GB/T 4757 -2001 Methods for the batch flotation testing of fine coal

GB/T 6003.1 -1997 Test sieves of metal wire cloth (eqv ISO 3310-I: 1990)

GB/T 6005-1997 Test sieves-Metal wire cloth, perforated metal plate and electroformed sheet-Nominal sizes of opening (eqv ISO 565:1990)

GB/T 7186 Terms relating to coal mining-Coal preparation (GB/T 7186 -1998, eqv ISO 1213-1:1993)

MT/T 109-1996 Test methods for degradation in water of coal and gangue

MT/T 1034-2006 Method of sampling run-of-mine coal

3 Terms and definitions

Following terms and definitions apply to this standard.

3.1

Size analysis of coal

Sieve test for coal that particle size is greater than 0.5 mm.

3.2

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