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

GB/T 16773-2008

Replacing GB/T 16773-1997

**Method of preparing coal samples for the coal petrographic
analysis**

煤岩分析样品制备方法

(English Translation)

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Foreword

This revised standard adopts ISO 7404-2. 1985 (E) "bituminous coal and anthracite coal and rock analysis --- Part 2. preparing coal samples Law "(in English).

This standard is based on ISO 7404-2. (E) redrafted 1985. For ease of comparison, listed in Appendix A of this standard and reg number ISO 7404-2. 1985 reg control list numbered.

Because of legal requirements and the actual situation, the present standard in the use of international standards has been modified. These technical differences vertical single Line identification in which they are involved in terms of margin. List of technical differences and the reasons given in Appendix B for reference.

For ease of use, this standard also made the following editorial changes.

- a) "this International Standard" be replaced by "this standard";
- b) use a decimal point instead of a decimal comma " , " . " , " ;
- c) Remove the foreword and introduction of international standards.

This standard replaces GB/T 16773-1997 "Analysis of coal sample preparation methods." the main changes in the standards and GB/T 16773-1997, compared as follows.

--- According to GB/T 1.1-2000 "Standardization Guide Part 1. Standard structure and write rules" requirement, canceled GB/T 16773-1997 novelettes number, the original content as a chapter to write.

--- Increasing the lump coal preparation directional rays.

--- Increase in the range of "coke prepared rays may also refer to use." the Standard Appendix A, Appendix B is an informative annex.

The standard proposed by China Coal Industry Association.

This standard by the National Standardization Technical Committee of Coal.

This standard was drafted. Coal Research Institute, Xi'an Institute.

1 Scope

This standard specifies the materials, equipment and preparation of coal sample preparation step.

This standard applies to the pulverized coal-rays, prepared lump-rays, light and thin sheets of coal preparation, coke-rays can also refer to use.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 6003.1 woven wire mesh test sieve (GB/T 6003.1-1997, eqv ISO 3310-1:1990) GB/T 12937 Rock term coal (GB/T 12937-2008, ISO 7404-1:1994, Methodsforthepetrographic analysisofbituminouscoalandanthracite-Part 1. Vocabulary, MOD)

3 Terms and Definitions

Terms and definitions GB/T 12937 apply to this standard established.

4.1 Binder

4.1.1

cold glue adhesive. 1) unsaturated polyester resins and curing agents accompanying [cyclohexanone peroxide and dibutyl solution (1 + 1)] and Promoter (cobalt soap 6% solution in styrene); 2) an epoxy resin and the like.

4.1.2

hot glue adhesives. shellac.

4.1.3

non-fluorescent adhesive. 506 3 # powder or resin.

4.1.4

cook gum ingredients. rosin, paraffin, turpentine.

4.1.5

glass slides with plastic. 501 glue, 502 glue.

4.1.6

cover glass with plastic. optical resin glue.

4.2 Abrasives

No. 180, No. 200, No. 320 silicon carbide emery; W20, W10, W5, W3.5, W1 corundum powder; or silicon carbide sandpaper.

4.3 Polishing materials

Acidic silica sol particle size less than $0.05\mu\text{m}$; the maximum particle size of not more than $0.1\mu\text{m}$ aluminum trioxide.

4.4 Polishing cloth

Polyurethane double polishing cloth or velvet, cotton flannel, double-sided gabardine, soft leather and the like.

4.5 Frosted glass plate

Area of about 300mm x 300mm, thickness of 5mm or more.

4.6 glass rod, glass slide and a cover glass.