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

GB/T 26930.5-2011

**Carbonaceous materials for the production of primary
aluminium -- Pitch for electrodes -- Part 5: Determination of
content of toluene-insoluble material**

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Foreword

GB/T 26930 "carbonaceous materials used in aluminum production bituminous coal" There are five sections.

--- Part 1. Determination of moisture content - Azeotropic distillation method;

--- Part 2. Determination of softening point and ball method;

--- Part 3. Determination of density Pyknometer;

--- Part 4. Determination of quinoline insoluble content;

--- Part 5. Determination of toluene-insoluble matter content.

This is Part 5.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 6376. 1980 "carbonaceous materials used in aluminum production bituminous coal toluene insolubles content

Determination. " This part identical with ISO 6376. 1980, the deleted its preamble.

Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB/T 26297.5 carbonaceous materials used in aluminum sampling method - Part 5. coal

tar pitch (ISO 6257.2002, MOD).

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1 Scope

This section GB/T 26930 specifies the method for determination of bituminous coal for the production of primary aluminum in toluene insolubles content.

This section applies to the determination of primary aluminum production of coal pitch toluene insolubles content.

NOTE. The content of toluene-insoluble matter generally refers to the so-called "resin alpha beta sum."

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, undated references, the latest edition (including any amendments) applies to this document.

ISO 6257 carbonaceous materials used in aluminum bituminous coal sampling method (Carbonaceous materials used in the production of aluminium-Pitch for electrodes-Sampling)

3 PRINCIPLE OF THE METHOD

And provisions within the period prescribed temperature, a sample was dissolved with toluene, extract the toluene insolubles, filtered and weighed amount of residue, thereby meter

The content of toluene-insoluble matter is calculated.

5.1 Erlenmeyer flask. volume 500mL, made of silicon borate glass, frosted glass interface.

Reflux condenser 5.2. Effective length 300mm, bottom frosted glass cone, can be fixed in the conical flask (5.1) interface.

5.3 Filter crucible. glass, volume of about 30mL. The bottom is a porosity of $10\mu\text{m} \sim 16\mu\text{m}$ sintered glass disc, the main dimensions

As follows. disc diameter. 30mm; height (upper edge of the disc to the ring). 35mm.

6 sample preparation

Sampling in accordance with ISO 6257. On solid asphalt, crushed sample to make it through the sieve of $500\mu\text{m}$ aperture sieve. Of liquid asphalt, so

To take samples.