

ICS 71.080

CCS G18



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

GB/T 2291-2016

Replacing GB/T 2291-1980

Method for preparation of coal tar pitch specimens

煤沥青实验室试样的制备方法

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 2291-1980 "Preparation method of sample of coal tar pitch laboratory", this standard and GB/T 2291-1980 phase The main changes are as follows:

--- modified the standard range;

--- increase the normative reference documents; - in the equipment and equipment requirements, with the "sample tray" instead of "aluminum", "mortar" instead of "milk bowl", an increase of "standard sieve";

--- modified the steps. This standard is proposed by China Iron and Steel Industry Association. This standard by the National Coal Chemical Industry Standardization Technical Committee Coking Chemical Subcommittee (TC469/SC3) centralized. The drafting of this standard. Wuhan Iron and Steel (Group) Company, Metallurgical Industry Information Standards Institute. The main drafters of this standard. Liu Cuixia, Wang Lan, Zhang Zheng, Zheng Jingxu. This standard replaced the previous version of the standard release.

--- GB/T 2291-1980. Preparation method of coal tar pitch laboratory sample

1 Scope

GB/T 2291-2016 is the Chinese national standard on method for preparation of coal tar pitch specimens, in the field of chemical technology. 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 13 December 2016 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 July 2017. Classification: ICS 71.080, CCS G18. 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 equipment and equipment for the preparation of coal tar pitch laboratory samples and operating procedures. This standard applies to high-temperature coal tar by the processing of coal tar pitch products (coal tar pitch, modified asphalt, impregnant asphalt, etc.) laboratory test Like preparation.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document. GB/T .2000 Coking solid sample sampling method

3 Instruments and equipment

3.1 sample tray.

3.4 standard sieve.

4 Operating procedures

4.1 according to GB/T .2000 requirements sampling, 1kg, the size of 3mm below the coal tar pitch sample further shrink, remove about 100g placed in the sample Tray, the tile into a thickness of 3mm ~ 5mm.

4.2 Dry the coal tar pitch for at least 1 h in a $(50 \pm 2) ^\circ \text{C}$ blast oven.

4.3 The dried coal tar sample was fractionated at about 25 g and ground with a mortar to less than

0.5 mm. As a measure of coal asphalt toluene insoluble , Quinoline insolubles and coking values.

4.4 The remaining 3 mm below the dry coal tar samples as a measure of coal tar pitch and softening point of the dry sample.