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

GB/T 9580-2025

Replacing GB/T 9580-2009

Evaluation of standard reference carbon black

标准参比炭黑的鉴定方法

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 9580-2009 "Identification method of standard reference carbon black". Compared with GB/T 9580-2009, except for the structural adjustment In addition to the integration and editorial changes, the main technical changes are as follows.

- Added "The remaining carbon black samples after sampling shall be used as backup samples and properly stored until the identification work is completed." (see 5.2);
- Change the standard reference carbon black sample to "2 kg" (see 5.3, 4.3 of the 2009 edition);
- Added "Standard reference carbon black (SNs) for chemical item testing" (see 6.1);
- Change "physical and chemical properties test" to "standard reference carbon black (IRCs) for physical test" (see 6.2, 5.3 of the 2009 edition);
- For physical test items, only the "iodine absorption value" and "oil absorption value" are retained for standard reference carbon blacks (IRCs) (see Table 3, Table 1 of the 2009 edition);
- Deleted "Recommended physical and chemical performance tests" (see 5.5 of the 2009 edition);
- Change the sample number to 6 (see Table 6, Table 5 of the 2009 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Petroleum and Chemical Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Rubber and

Rubber Products of Standardization (SAC/TC35).

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The previous versions of this document and the documents it replaces are as follows.

- First issued as GB/T 9580-1988 in 1988, first revised in 2002, second revised in 2009;
- This is the third revision.

Identification method of standard reference carbon black Warning. People who use this document should be familiar with routine laboratory operations. This document does not involve any safety issues in use.

Responsibility for establishing appropriate safety and health measures and ensuring compliance with national regulations.

1 Scope

This document describes the identification method for standard reference carbon black.

This document applies to the identification of standard reference carbon black.

2 Normative references

GB/T 528

GB/T 3780.1

GB/T 3780.2

GB/T 3780.4

GB/T 3780.5

GB/T 3780.6

GB/T 3780.8

GB/T 3780.10

GB/T 3780.15

GB/T 3780.18

GB/T 3780.21

GB/T 6038

GB/T 9579

GB/T 10722

GB/T 14853.1

GB/T 14853.2

GB/T 14853.6

3 Terms and Definitions

There are no terms or definitions that require definition in this document.

4 Production, Quality Control and Quality Assurance

4.1 The manufacturer shall adopt a complete production process, use advanced technology and strict quality management to produce sufficient amount of base carbon black.