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

GB/T 11147-2025

Replacing GB/T 11147-2010

Method for sampling asphalt materials

沥青取样法

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 11147-2010 "Asphalt Sampling Method". Compared with GB/T 11147-2010, the main differences are structural adjustments and editorial changes. Aside from the modifications, the main technical changes are as follows:

- a) The following items have been removed. routine inspection sampling quantity (see 4.1.1 in the.2010 edition), sampling quantity from storage tanks (see 4.1.2 in the.2010 edition), and sampling quantity from drums. Medium sampling size (see 4.1.3 in the.2010 edition);
- b) Increased the sample size of liquid asphalt (see 5.1);
- c) The "Amount of solid or semi-solid samples" has been changed (see 5.2, 4.2 in the.2010 edition);
- d) The requirement for wide-mouthed sample containers has been removed from the list of sample container types (see 5.1.1, 5.1.2, and 5.1.3 in the.2010 edition);
- e) Added relevant content on the under-tank sampler method (see 7.1.2.4);
- f) Added a requirement that the detachable online sampling device take samples when the material has been discharged to approximately half its original volume (see 7.2.2);
- g) The references to the sampling of fragmented or powdered asphalt have been removed

(see

1 Scope

GB/T 11147-2025 is the Chinese national standard on method for sampling asphalt materials, in the field of petroleum and related technologies. 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 5 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. Classification: ICS 75.140, CCS E43. 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 document describes the sampling methods for bituminous materials at production, storage, or delivery sites. This document applies to the sampling of asphalt materials at the production, storage, or delivery sites.

2 Normative references

This document has no normative references.

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4. Sampling Location Selection To check the quality of asphalt, samples should be taken at the production plant or storage location before shipment; if sampling cannot be taken at the production plant or storage location, samples should be taken at the delivery location.

Sampling is performed at regular intervals.

5 Sample size

5.1 Sample Quantity of Liquid Asphalt The sampling volume for liquid asphalt is 1L to 4L (4L for emulsified asphalt).

5.2 Amount of solid or semi-solid sample

5.2.1 The sampling amount of semi-solid or unbroken solid asphalt is 4 kg.

5.2.2 The sampling amount for broken or powdered asphalt is 1kg to 2kg.

6.1 Types of Sample Containers

6.1.1 The containers for liquid asphalt (excluding emulsified asphalt) or semi-solid asphalt should preferably be metal containers with sealed lids.

6.1.2 The emulsified asphalt sample container should preferably be a plastic container with a sealed lid.

6.1.3 The container for crushed or powdered asphalt should preferably be a metal container with a sealed lid; a plastic bag may also be used, provided that the plastic bag has a reliable outer cover. Package.