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

GB/T 47274-2026

**Test methods for the road test lanes and parking ramps of
motor vehicle inspection agencies**

机动车检验机构路试车道和驻车坡道检测方法

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Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020 "Directives for standardization - Part

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inspection agency

1 Scope

GB/T 47274-2026 is the Chinese national standard covering the test lane and the parking ramp of a vehicle inspection station - the gradient, the surface and its friction, the dimensions and the markings, and how each is verified, because the brake and parking tests are only valid on ground that is what it claims to be. First edition, in force since 1 October 2026. It was issued on 31 March 2026 and takes effect on 1 October 2026, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the testing equipment, testing conditions, testing methods, handling of testing results for road test lanes and parking ramps of motor vehicle inspection agencies. This document is applicable to the testing of road test lanes and parking ramps of motor vehicle inspection agencies.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies to this document; for undated references, the latest edition (including any amendments) applies to this document.

GB/T 8170-2008 Rules of rounding off for numerical values & expression and judgement of limiting values

GB/T 42685-2023 Motor vehicle inspection terminology

GB/T 44411-2024 Motor vehicle inspection equipment and site adhesion coefficient detection method

3 Terms and definitions

The terms and definitions defined in GB/T 42685-2023 and GB/T 44411-2024, as well as the following terms and definitions, apply to this document.

3.1 Road test lane A lane used for road testing and inspection of the service braking performance of motor vehicles. [Source: GB/T 42685-2023, 3.4.13, modified]

4 Testing equipment

The testing equipment is listed in Table 1.

5 Testing conditions

5.1 The road test lane and parking ramp shall be dry, clean, free of foreign objects and obstructions.

5.2 When testing the surface adhesion coefficient of the pavement, the ambient temperature shall be 0 °C ~ 40 °C, the relative humidity shall be $\leq 85\%$.

6.1 Road test lane

6.1.1 Visual inspection The surface of the road test lane shall be level, firm, free of obvious damage. It shall be marked with lane boundary lines and test lane lines that comply with requirements, as well as necessary traffic markings; all markings shall be clear, complete, continuous.

6.1.2 Length of road test lane

6.1.2.1 Set up the total station at a point with a visible point and level the instrument.

6.1.2.2 Place the prism successively at the start and end points of one of the test lane lines; adjust the prism stand at each location so that the bubble level is centered.

6.1.2.3 Use the side-measurement method, to measure the slant distance along the direction of travel of the test lane line. A schematic diagram for the testing of the road test lane length is shown in Figure 1.

6.1.2.4 Repeat the steps in

6.1.2.2 and 6.1.2.3, to measure the slant distance along the direction of travel of the other symmetrically positioned test corridor line.

6.1.2.5 Take the minimum measured result as the length of the road test lane. Figure 1 -- Schematic diagram for road test lane length measurement