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**Calibration Specification for Adhesion Coefficient Testers
(English Translation)**

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Introduction

This specification to JJF 1071-2010 "national measurement calibration standard preparation rules", JJF 1001-2011 "General Metrological Terms and Definitions ", JJF 1059.1-2012" Measurement Uncertainty Assessment and Representation "as a basic series of specifications to develop.

The main reference to this specification GB 7258 "motor vehicle safety and technical conditions", GB 21861 "motor vehicle safety technology Test items and methods ", GB/T 13564" drum reaction type car brake test bench ", GB/T 13563" drum Type car speedometer test bench ", GB 518-2007" motorcycle tire ", GB/T 2983-2008" motorcycle tire Series ", JJG906" drum reaction brake test bench "and JJG1020" flat brake test bench ", JJG99 "Weight", JJG1036 "electronic balance" and JJG539 "digital indicator scale" compiled from.

This specification is the first release.

Adhesion Coefficient Tester Calibration Specification

1 Scope

This specification applies to the calibration of the adhesion coefficient tester.

2 reference file

JJG906 drum reaction brake test bench JJG1020 flat brake test bench Motorcycle Tires GB/T 2983 motorcycle tire series Safety technical conditions for motor vehicle operation GB 7258 GB/T 13563 drum type car speedometer test bench GB/T 13564 Roller reaction car brake test bench GB 21861 Motor vehicle safety technical inspection items and methods for dated references, only the dated edition applies to this specification; references that are not dated , The latest version (including all modifications) applies to this specification.

3 terms and units of measurement 3.1 adhesion when the normal load is distributed over the entire contact surface and the sliding friction occurs only in the area of the contact surface, the sum of the tangential forces acting on the contact surface.

3.2 adhesion coefficient the ratio of the normal load to the normal load on the contact surface is the dimensionless quantity.

3.3 vertical load of wheels vertical load of wheel Refers to the measurement of the adhesion coefficient of the tire components perpendicular to the vertical pressure. Divided by relying on the weight of the wheel parts with weight the fixed vertical load of the code weight and the variable vertical load relying on the loading of the positive pressure.

3.4 Roller sliding adhesion coefficient slip adhesion coefficient of roller when the vehicle wheel

of the vehicle is slid on the upper bus of the active drum (wheel is locked), the brake force measured by the brake and the ratio of the gravitational (vertical) load of the wheel. For the amount of dimensionless.

4 Overview

The adhesion coefficient tester is used to measure the drum (flat) surface or inspection path of tires and various test tables for motor vehicles the adhesion coefficient of the surface.

The adhesion coefficient tester is usually composed of wheel (frame) frame, tire, sensor, loading device, brake device, display instrument

Table and other components.

Depending on the loading method, the adhesion coefficient tester is divided into two categories. one is loaded by weight, resulting in a fixed