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**Calibration Specification for Transport Packages Horizontal  
Impact Test System  
(English Translation)**

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## **5.2 Impact speed indication repeatability (2)**

5.3 The angle between the orbital plane and the horizontal plane (2)

## **5.4 Angle between the car surface and the horizontal plane (2)**

5.5 The angle between the impact surface of the baffle and the surface of the trolley (2)

## **9 Re-school time interval (6)**

Appendix A Example of Uncertainty Evaluation of Calibration Result of Impact Speed Indication Error (7)

Appendix B Transport Package Horizontal Impact Test System Calibration Record Format (9)

Appendix C Transport Package Horizontal Impact Test System Calibration Certificate Inside Page Format (10)

## **Introduction**

This specification to JJF 1071 "national measurement calibration standard preparation rules", JJF 1001 "general measurement terminology and set "JJF 1059.1" measurement uncertainty assessment and representation "as the basis for the development of a series of norms.

The main reference to this specification GB/T 4122.5 "Packaging terminology Part 5. Inspection and testing", GB/T 4857.11-2005 "Packaging transport package basic test Part 11. Horizontal impact test method" and GB/T 4857.18-1992 "Quantitative data on the outline of the preparation of packaging and transport packages" Come into being.

This specification is the first release.

Code for calibration of horizontal impact test system for transport packages

### **1 Scope**

This specification applies to the horizontal impact test (horizontal, bevel test) of transport packages and unit cargo Use calibration of the test equipment.

### **2 reference file**

This specification refers to the following documents.

Evaluation and Representation of Measurement Uncertainty JJF 1059.1-2012 Rules for the preparation of national metrological calibration specifications Packaging terminology - Part 5. Inspection and testing Packaging - Transport packages - Basic test - Part 11. Horizontal impact test GB/T method Packaging and transport packages - Quantitative data for

performance test syllabus GB/T 4857.18-1992 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 definitions

3.1 Horizontal impact test [GB/T 4122.5, So that the test sample collides with a baffle which is perpendicular to the same speed at a predetermined speed in a predetermined state, the ability of the test specimen to withstand the level of impact and the packaging of the contents of the protection of the test.

3.2 bevel impact test inclineimpacttest [GB/T 4122.5-2010, 3.10.1] the test sample is placed at a predetermined angle with the horizontal plane in a predetermined state, and the test sample is hit at a predetermined speed Horizontal baffle with vertical orientation to assess the ability of the test specimen to withstand the level of impact and the packaging to the contents of the protection the ability to test.

### 4 Overview

The horizontal impact test system of the transport package is the level of the transport package and the unit cargo in the transport process of the level of red Impact and crash test equipment. Horizontal impact testing machine from the steel track, trolley, baffle, drive device, speed device (Including sensors, monitors), console and other components. Horizontal impact testing machine structure shown in Figure 1. Bevel impact test Machine from the steel track, trolley, baffle, bevel control device, traction device, release device, speed device (including the sensor Device, display), console and other components. The slope impact testing machine structure shown in Figure 2. Transport package level impact Test system test principle is to put the test sample placed on the trolley in accordance with the predetermined state after obtaining a certain kinetic energy or potential energy Collide with a baffle perpendicular to the same velocity at a predetermined speed to assess the ability of the test specimen to withstand the level of impact Force and packaging on the contents of the protection.