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**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QB/T 2155-2018

Replacing QB/T 2155-2010

Travelling case and trolley bag

旅行箱包

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is a revision of QB/T 2155-2010 Travelling case and trolley bag. Compared with QB/T 2155-2010, apart from editorial changes, the main technical changes are as follows:

- the normative references and the product classification have been revised and extended;
- requirements for raw materials and accessories have been added, and the requirements for superior-grade products have been deleted;
- the specified load of the case (bag) has been defined in more detail;
- the requirements and test methods for travelling performance, oscillation impact, stitching strength and colour fastness to rubbing of the shell fabric have been revised;
- impact resistance has been replaced by drop performance, with a more detailed test method;
- the hardness of the aluminium frame of the case, lock durability, corrosion resistance of hardware fittings and drum impact performance have been revised;
- the requirements and test method for zipper flat pull have been deleted, and a method for measuring volume has been added;
- the marking requirements have been revised and moved from Clause 4 to Clause 7.

This standard was proposed by the China National Light Industry Council and is under the jurisdiction of the National Technical Committee on Leather Industry of Standardization

Administration of China (SAC/TC 252).

It replaces QB/T 2155-2010 from its implementation date. Previous editions: QB/T 2155-1995, QB/T 2155-2004, QB/T 2155-2010.

1 Scope

This standard specifies the product classification, requirements, test methods, inspection rules, marking, packaging, transport and storage of travelling cases (hard and soft cases) and trolley bags.

It applies to travelling cases and trolley bags used for carrying clothing and belongings, fitted with travelling wheels and pull rods.

2 Normative references

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

GB/T 231.1 Metallic materials - Brinell hardness test - Part 1: Test method

GB/T 2912.1 Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)

GB/T 3920 Textiles - Tests for colour fastness - Colour fastness to rubbing

GB/T 17592 Textiles - Determination of the banned azo colourants

GB 19340 Adhesives for footwear and case and bag

GB/T 19941 Leather and fur - Chemical tests - Determination of formaldehyde content

GB/T 19942 Leather and fur - Chemical tests - Determination of banned azo colourants

GB 20400 Leather and fur - Limit of harmful matter

GB 21550 The restriction of hazardous materials in polyvinyl chloride artificial leather

GB/T 22889 Leather - Physical and mechanical tests - Determination of surface coating thickness

QB/T 1586.1 Hardware fitting of case and bag - Case lock

QB/T 1586.2 Hardware fitting of case and bag - Case travelling wheel

QB/T 1586.3 Hardware fitting of case and bag - Case handle

QB/T 1586.5 Hardware fitting of case and bag - Draw rod

QB/T 2002.1 Hardware fitting of leather products - Specification of electroplated layer

QB/T 2002.2 Hardware fitting of leather products - Specification of sprayed coating

QB/T 2171 Metal zipper

QB/T 2172 Injection moulding zipper

QB/T 2173 Nylon zipper

QB/T 2537 Leather - Tests for colour fastness - Colour fastness to cycles of to-and-fro rubbing

QB/T 2918 Case and bag - Test method for impact resistance by means of falling weight

QB/T 2919 Case and bag - Test method for resistance to fatigue of pull rod

QB/T 2920 Case and bag - Test method for travelling

QB/T 2921 Case and bag - Test method for fall down

QB/T 2922 Case and bag - Test method for shaking impact

QB/T 3826 Corrosion-resistant testing method of the metal deposits and conversion coatings for the light industrial products - Neutral salt spraying test (NSS)

QB/T 4116 Case and bag - Test method for rotary drum

QB/T 5083-2017 Case and bag - Determination of volume

3 Product classification

3.1

By variety

Travelling hard case; travelling soft case; trolley bag.

3.2

By shell material

Leather; artificial or synthetic leather; reconstituted leather; textile fabric; metal; plastic; several materials combined (composite shell); other materials.

3.3

By type

A) upright (vertical); b) horizontal.

4 Requirements

4.1.1

Travelling case

The specification (length) and its permissible deviation shall be as given in Table 1. Lengths from 455 mm (18 inch) and below up to 635 mm (25 inch) have a permissible deviation of

± 5 mm; lengths from 660 mm (26 inch) up to 835 mm and above have a permissible deviation of ± 6 mm. Export products shall comply with the contract.

4.1.2

Trolley bag

Trolley bags fitted with travelling wheels and pull rods shall comply with the design specification, with a permissible deviation of ± 5 mm.

4.2

Raw materials and accessories

Raw materials and accessories shall be selected in accordance with the relevant product standards.

4.2.1

Limits of harmful substances

Leather and reconstituted leather shall meet GB 20400 and Table 2; PVC artificial leather shall meet GB 21550; textile fabrics shall meet Table 2; adhesives shall meet the limits of Table 3 for solvent-based and water-based adhesives (benzene, toluene plus xylene, free toluene diisocyanate, n-hexane, 1,2-dichloroethane, total halogenated hydrocarbons and total volatile organic compounds).

4.2.2

Case (bag) locks

Shall meet QB/T 1586.1.

4.2.3

Travelling wheels

Shall meet QB/T 1586.2.

4.2.4

Handles

Shall meet QB/T 1586.3.

4.2.5

Pull rods

Shall meet QB/T 1586.5.

4.2.6

Hardware fittings

Shall meet QB/T 2002.1 and QB/T 2002.2.

4.2.7

Zippers

Shall meet QB/T 2171, QB/T 2172 and QB/T 2173.