

ICS 61.060

QB

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

QB/T 4552-2020

Slippers
(English Translation)

Issued on: December 9, 2020

Implemented on: April 1, 2021

Issued by: Ministry of Industry and Information Technology of PRC

Table of Contents

Foreword...	3
1 Scope...	5
2 Normative references...	5
3 Terms and definitions...	6
4 Product classification...	6
5 Requirements...	7
6 After-sales quality judgment...	9
7 Test method...	9
8 Inspection items and qualification judgment...	12
9 Inspection rules, signs, packaging, transportation, storage...	13
Appendix A (Normative) List of harmful aromatic amine dyes...	14
Appendix B (Informative) Judgement of after-sale quality...	15

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 4552-2013 "Slippers".

Compared with QB/T 4552-2013, in addition to editorial changes, the main technical differences between this standard and QB/T 4552-2013 are as follows.

- MODIFY the requirements of sensory quality (see 5.2; 5.2 of the 2013 edition);
- MODIFY the requirements and test methods of the pull-out force of the band (see 5.3.2 and 7.3; 5.3.2 and 7.3 of the 2013 edition);
- MODIFY the requirements and test methods for the abrasion resistance of the outsole (see 5.3.3 and 7.4; 5.3.3 and 7.4 of the 2013 edition);
- ADD the requirements and test methods for the anti-skid performance of the outsole (see 5.3.4 and 7.5)
- ADD the requirements and test methods for the color fastness to rubbing of linings and insock (see 5.3.5 and 7.6);

- MODIFY the requirements and test methods for free or partially hydrolyzable formaldehyde content (see 5.5.2 and 7.9; 5.5.2.2 and 7.7 of the 2013 edition);
- MODIFY the test method of upper sole peeling strength (see 7.2; 7.2 of the **2013 edition**);
- MODIFY the test method of peculiar smell (see 7.7; 7.5 of the 2013 edition);
- MODIFY the test method for the content of decomposable harmful aromatic amine dyes (see 7.8; 7.6 of the 2013 edition);
- MODIFY the inspection items and qualification judgment (see Chapter 8; Chapter 8 of the 2013 edition);
- ADD an informative appendix "List of hazardous aromatic amine dyes".

This standard was proposed by the China National Light Industry Council.

This standard shall be under the jurisdiction of the National Footwear Standardization Technical Committee (SAC/TC 305).

Drafting organizations of this standard. China Leather and Footwear Research Institute Co., Ltd., Tianjin Laomeihua Footwear & Garment Co., Ltd., Nantong Tuochi Footwear Co., Ltd.

1 Scope

This standard specifies the terms and definitions, product classification, requirements, after-sale quality judgment, test methods, inspection items and judgments, inspection rules, signs, packaging, transportation, storage of slippers.

This standard applies to slippers for daily wear.

This standard does not apply to disposable slippers.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable

to this document; for the undated documents, only the latest version (including all the amendments) is applicable to this standard.

GB/T 251-2008 Textiles - Tests for color fastness - Grey scale for assessing staining

GB/T 2703 Footwear - Vocabulary

GB/T 2912.1-2009 Textiles - Determination of formaldehyde - Part 1.Free and hydrolyzed formaldehyde (water extraction method)

GB/T 3903.2-2017 Footwear - General test methods - Abrasion resistance

GB/T 3903.3-2011 Footwear - General test methods - Peeling strength

GB/T 3903.5-2011 Footwear - General test methods - Appearance quality

GB/T 3903.6-2017 Footwear - Test methods for whole shoe - Slip performance

GB/T 17592-2011 Textiles - Determination of the banned azo colorants

GB/T 19941.1-2019 Leather and fur - Determination of formaldehyde content - Part 1.High performance liquid chromatography method

GB/T 19942-2019 Leather and fur-Chemical tests-Determination of banned azo colorants

GB/T 22049-2019 Footwear - Standard atmospheres for conditioning and testing of footwear and components for footwear

3 Terms and definitions

The terms and definitions as defined in GB/T 2703, as well as the following terms and definitions, apply to this document.

3.1

Infant's slippers

Slippers, which have a size not greater than 170, for infants and young children 3 years old and below.

4.1 It is divided into the following 5 categories, according to the upper surface materials.

5.1.1 The safety indicators of infant's slippers and children's slippers shall meet the requirements of GB 30585.

5.2 Sensory quality

The sensory quality shall meet the requirements of 5.2 in GB/T 36975-2018.

5.3.2.4 The pull-out force of the upper band of slippers, which are made through the process of cold bonding, sewing, glue-sealing, shall not be less than 80 N.

The pull-out force of the upper band of slippers, which are made through the assembly process such as rivets, shall not be less than 50 N.

5.3.2.5 If the material is torn AND the band is not pulled out at the bonding part of the upper sole, the pull-out strength of the upper band shall not be less than

5.3.5.1 For slippers, whose lining and insock are made of textiles, leather, fur, artificial leather, synthetic leather, they shall be tested for the color fastness to rubbing of the lining and insock.

5.3.5.2 The wet rubbing staining grade of suede leather shall not be less than level 2.The wet rubbing staining level of leather, textiles, fur, artificial wool, other materials shall not be less than level 3.

5.4 Odor

The odor level shall not be greater than level 3.

5.5.1 Content of decomposable harmful aromatic amine dye

It shall meet the requirements of Table 1. Under reducing conditions, see Appendix A for the list of harmful aromatic amine dyes, which shall not be decomposed from the dye.