

ICS 61.060

QB

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

QB/T 4556-2023

**Snow boots
(English Translation)**

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Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020

"Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document replaces QB/T 4556-2013 "Snow boots". Compared with QB/T 4556-2013, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) CHANGE the scope (see Chapter 1; Chapter 1 of the 2013 edition);
- b) DELETE the classification of snow boots by upper materials (see 4.1 of the 2013 edition);
- c) DELETE the requirements for shoe materials (5.1.3 of the 2013 edition);
- d) CHANGE the "Sensory quality" requirements (see 5.2; 5.2 of the 2013 edition);
- e) CHANGE the "Peel strength" requirements (see 5.3.1; 5.3.1 of the 2013 edition);
- f) CHANGE the "Folding resistance" requirements (see 5.3.2; 5.3.2 of the 2013 edition);

- g) ADD the requirements and test methods for "Low temperature folding resistance of soles" (see 5.3.5 and 7.6);
- h) CHANGE the requirements and test methods for "Friction color fastness of lining and insole" (see 5.3.6 and 7.7; 5.3.5 and 7.6 of the 2013 edition);
- i) DELETE the requirements and related test methods for "Limited substances" (see 5.4; 7.10 and 7.11 of the 2013 edition);
- j) CHANGE the test method for "Wear resistance" (see 7.4; 7.4 of the 2013 edition);
- k) CHANGE the test method for "Cold resistance" (see 7.8; 7.7 of the 2013 edition);
- 1) DELETE the inspection items (see 8.1 of the 2013 edition);
- m) CHANGE the judgment method (see Chapter 8; 8.2 of the 2013 edition).

This document was proposed by China Light Industry Federation.

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

The drafting organizations of this document: Jiaozuo Longfeng Fur Enterprise Co., Ltd.,
Snow boots

1 Scope

This document specifies the requirements for the identification, sensory quality, physical and mechanical properties, odor, after-sales quality judgment of snow boots; describes the corresponding test methods; specifies the content of qualification judgment, inspection rules, packaging, transportation, storage; provides product classification for technical provisions.

This document applies to the production, inspection, sales of snow boots for daily wear. The production, inspection, sales of other footwear products with warmth retention functions refer to this document.

2 Normative references

The contents of the following documents constitute the essential terms of this document through normative references in the text. Among them, for dated references, only the version corresponding to that date applies to this document; for undated references, the

latest version (including all amendments) applies to this document.

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

GB/T 2703 Footwear - Vocabulary

GB/T 3903.1 Footwear - Test methods for whole shoe - Flexing resistance

GB/T 3903.2 Footwear - Test methods for whole shoe - Abrasion resistance

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

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

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

GB/T 4841.3 Color cards of standard depths for dyeing with dyestuffs 2/1, 1/3, 1/6, 1/12, 1/25

GB/T 21284-2015 Footwear - Test methods for whole shoe - Thermal insulation

HG/T 2876-2009 Cellular material for rubber-plastics shoes - Determination of compression set

QB/T 1187 Footwear - Principle of inspection and marking, package, transportation, storage

QB/T 2224-2012 Footwear - Performance requirement for uppers low-temperature flexing resistance

QB/T 2673 Labeling for footwear product

QB/T 2882-2023 Footwear - Test methods for uppers, linings and insoles - Color fastness to rubbing and bleeding

QB/T 4886-2015 Footwear - Performance requirement for sole flexing resistance at low-temperature

3 Terms and definitions

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

3.1

Subsidiary parts

Generally, the inner side and rear part of the upper.

[Source: GB/T 2703-2017, 2.3.2, modified]

3.2

Snow boots

Shoes with a certain warmth-keeping function, whose uppers are made of leather and fur or leather combined with wool or other materials such as blended materials.

[Source: GB/T 2703-2017, 2.2.43, modified]

3.3

Infants' snow boots

Snow boots with a shoe size not exceeding 170, generally suitable for infants and young children aged 3 and below (3.2).

3.4

Children's snow boots

Snow boots with a shoe size greater than 170, generally suitable for children aged 3
The length of the wear mark shall not exceed 15.0 mm.

5.3.4 Low-temperature folding resistance of the upper surface material

The low-temperature folding resistance of the upper surface material shall meet the requirements of QB/T 2224-2012 for qualified products.

5.3.5 Low-temperature folding resistance of the sole

The low-temperature folding resistance of the sole shall meet the requirements of QB/T 4886-2015 for qualified products.

5.3.6 Friction color fastness of lining and insole

The staining shall not be less than level 2 ~ 3 (dark fur and dark artificial fur shall not be less than level 2).

5.3.7 Cold resistance

Within 30 minutes, the temperature of the inner cavity of the shoe shall not drop by more than 10 °C.