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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 44942-2024

**Footwear - Test method for insoles and insocks - Dimensional
change after cycle of wetting and drying**

鞋类 内底和内垫试验方法 干湿循环尺寸变化率

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

This document is modified to adopt ISO 20535:2019 "Test method for insoles and insoles of footwear - Dry and wet cyclic dimensional change rate".

This document has the following structural adjustments compared to ISO 20535:2019.

3.2 and 3.3 correspond to 3.2 of ISO 20535:2019, and 3.4 corresponds to 3.3 of ISO 20535:2019; -Deleted 4.6 and 4.7 of ISO 20535:2019.4.6 corresponds to 4.8 of ISO 20535:2019; -Adjust the suspension section of Chapter 5 of ISO 20535:2019 to 5.1, and the subsequent same-level numbers will be postponed (see Chapter 5).

The technical differences between this document and ISO 20535:2019 and their reasons are as follows.

ISO.19952 is replaced by the normative reference GB/T 2703 (see Chapter 3, Chapter 3 of ISO 20535:2019) to accommodate my country's technical conditions increase operability;

The thickness gauge pressure requirements (see 4.1, 4.1 of ISO 20535:2019) have been changed to improve operability;

The accuracy requirements of the measuring device have been changed (see 4.2, 4.2 of ISO 20535:2019) to increase operability;

The normative reference GB/T 3922-2013 replaces ISO 105-E04.2013 (see 5.2, 5.3, ISO 20535:2019, 5.1 and 5.2) to adapt to my country's technical conditions and increase operability;

Added the normative reference document GB/T 6682-2008 to clarify the specific requirements for water and improve operability (see 5.4); -ISO 18454 is replaced by the normative reference GB/T 22049 (see Chapter 6, Chapter 6 of ISO 20535:2019) to apply in response to my country's technical conditions, increase operability;

Changed the sampling and environmental conditioning requirements (see Chapter 6, Chapter 6 of ISO 20535:2019) to increase operability;

ISO 17709 (see 7.1, 7.1 of ISO 20535:2019) is replaced by the normative reference GB/T 22050 to adapt to our the technical conditions of the country increase operability;

Added the soaking reagent temperature requirement (see 7.2.4) to improve operability;
-Added environmental conditioning requirements after sample drying (see 7.2.6) to improve operability; -the expression of test results (see 8.2.3, 8.2.3 of ISO 20535:2019) has been changed to improve operability. -the following editorial changes were made to this document.

The description of weights and cover devices has been deleted (see 4.8 of ISO 20535:2019); -the statement on the number of samples in environmental conditioning has been deleted (see Chapter 6 of ISO 20535:2019); -the description of the container is added to the test procedure (see 7.2.4). -

1 Scope

This document describes a method for determining the dimensional changes of insoles and insoles of footwear after wet-dry cycles.

This document applies to footwear insoles and insoles of all materials.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies.

in this document.

GB/T 2703 Footwear Terminology (GB/T 2703-2017, ISO.19952.2005, NEQ) GB/T 3922-2013 Textiles - Tests for colour fastness - Colour fastness to perspiration (ISO 105-E04.2013, MOD) GB/T 6682-2008 Specifications and test methods for water used in analytical laboratories (ISO 3696:1987, MOD) GB/T 22049 Footwear Standard environments for environmental conditioning and testing of footwear and footwear components (GB/T 22049-2019, ISO 18454:2018, IDT) GB/T 22050 Sampling location, preparation and environmental conditioning time for footwear samples and test specimens (GB/T 22050-2008, ISO 17709:2004, IDT)

3 Terms and definitions

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

Thickness change rate the sample is immersed in water or artificial sweat, and then placed in an oven to dry for a certain period of time. The thickness is expressed as a percentage of the initial thickness.

The specimen thickness increases or decreases.

length change rate

The sample is immersed in water or artificial sweat, and then placed in an oven to dry for a certain period of time.

The specimen length is increased or decreased.

Width change rate

The sample is immersed in water or artificial sweat, and then placed in an oven to dry for a certain period of time. The initial width is expressed as a percentage of the specimen width increases or decreases.

Insole

The part that forms the basis of the sole and is usually combined with the upper in an upper.

Note: The insole is the same shape as the bottom of the shoe last. The insole, upper and sole are used together to make the shoe. In most cases, the insole is the foundation of the shoe. The insole is made of leather, Made of leather or fiberboard, it is flexible and moisture-absorbing. In many cases, the insole of a finished shoe is covered with an insole to cover any protruding shoe material.