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

**中华人民共和国轻工行业标准**

**QB/T 2881-2013**

**Replace QB/T 2881-2007**

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**Footwear and footwear components—Antimicrobial  
performance specifications**

**鞋类和鞋类部件 抗菌性能技术条件**

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## Foreword

This standard is drafted in accordance with the regulations provided in GB/ T 1.1—2009, This standard is the revision of QB/T 2881—2007 “Antimicrobial Technical Requirements for Footwear Linings & Insoles”. Compared with QB/T 2881—2007, main technical changes are as follows:

- Changing standard name from “Antimicrobial Technical Requirements For Footwear Linings & Insoles” to “Footwear and Footwear Components—Antimicrobial Performance Specifications”;
- Enlarging standard scope;
- Increasing and changing normative application document;
- Increasing terms and definitions of antimicrobial shoes;
- Increasing requirements for product identification;
- Increasing sampling requirements;
- Changing antimicrobial test strains.
- Increasing dissolution and shake method, respectively in annex A and annex D;
- Increasing dissolution indicators in requirements;
- Increasing requirements for antimicrobial agent in selection, which shall not affect the environment after product discarding;
- Adjusting indicators in table 1 of original standard;
- Increasing chapter 9 Judgment.

This standard is proposed by China National Light Industry Council.

This standard is under the jurisdiction of National Technical Committee on Footwear of Standardization Administration of China (SAC/TC 305).

Drafting units of this standard: ANTA (CHINA) CO., LTD., China Leather and Footwear Industry Research Institute, Fujian Nan'an Bangdeng Shoes Industry Co., Ltd., Fujian Zhangping Yingchuan Light Industrial Co., Ltd., Jinda Nano Tech (Xiamen) Co., Ltd.

Main drafters of this standard: Li Su, Zhang Weijuan, Hou Jingguo, Chen Junyuan, Wu Jixian, Huang Penghui, Zhang Xiao, Zheng Sujiang.

This standard was first issued in 2007; this is the first revision.

# Footwear and footwear components—Antimicrobial performance Specifications

**Warning: Test method specified herein requires use of related microorganisms. Only professionals who receive training on microbiology and have practical experience can use microbiological testing method of this standard in laboratory with microbial treatment specifications. In consideration of laws and regulations of specific countries, appropriate security measures shall be taken.**

## **1 Scope**

This standard specifies terms and definitions of antimicrobial performances, test environment, sampling, test strains, test method, requirements, determination, identification and report.

This standard applies to footwear and footwear components with antimicrobial performance.

## **2 Normative references**

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this document.

GB 4789.2 National food safety standard Food microbiological examination: Aerobic plate count

GB/T 8629-2001 Textiles-Domestic washing and drying procedures for textile testing

GB 19489 Laboratories - General requirements for biosafety

## **3 Terms and definitions**

For the purpose of this standard, the following terms and definitions apply.

### **3.1**

#### **Antimicrobial**

Process of adopting chemical or physical method to kill microorganisms or hinder microbial growth and reproduction and the activity.

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