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

QB/T 2850-2023

**The antibacterial and bacteriostatic detergent - General
technical requirements
(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 2850-2007, The antibacterial and bacteriostatic detergent. Compared with QB/T 2850-2007, apart from structural adjustments and editorial changes, the main technical changes are as follows.

- a) The standard name has been modified.
- b) The scope has been modified (see Chapter 1; see Chapter 1 of the 2007 edition).
- c) Classification has been deleted (see Chapter 3 of the 2007 edition).
- d) The terms and definitions have been added (see Chapter 3).
- e) The requirements for raw materials have been modified (see 4.1; see 4.1 of the

2007 edition).

- f) Product quality requirements have been modified (see 4.2; see 4.2 of the 2007 edition).
- g) Product categories and some test conditions have been modified (see Table 1 in 4.3.1; see Table 2 in 4.3.3 of the 2007 edition).
- h) Some of the test strains have been modified (see 4.3.2; see Table 2 in 4.3.3 of the 2007 edition).

- i) The requirements for the use of the inhibition zone method have been added (see 4.3.3).
- j) Hygienic indicators have been deleted (see 4.4 in the 2007 edition).
- k) The test methods have been modified (see Chapter 5; see Chapter 5 of the 2007 edition).
- l) The inspection rules have been deleted (see Chapter 6 of the 2007 edition).
- m) The marking, packaging, transportation, storage, and shelf-life requirements have been deleted (see Chapter 7 of the 2007 edition).

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

The antibacterial and bacteriostatic detergent - General
technical requirements

1 Scope

This document specifies the requirements for antibacterial and bacteriostatic detergents and describes the corresponding test methods.

This document applies to the production and inspection of detergents formulated with surfactants, detergent additives, and bactericides or bacteriostatic agents, which have detergency and antibacterial or bacteriostatic functions.

This document does not apply to food-grade detergents and disinfectant products.

2 Normative references

The provisions of the following documents constitute the essential clauses of this document through normative references in this text. Among them, for any dated reference, only the version corresponding to that date applies to this document; for any undated reference, the latest version (including all amendments) applies to this document.

GB/T 22731 Fragrance compound

GB/T 26396 Technical specification for safety of soaps and detergents

QB/T 2738 Test methods for evaluating daily chemical products in antibacterial and bacteriostatic efficacy

WS/T 650 Evaluating Method for Efficacy of Antibacterial and Bacteriostasis

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 detergents

Cleaning and washing products containing soap and/or surfactants.

NOTE: Detergents may be in any form, such as liquid, powder, paste, strip, block, or tablet.

3.2 antibacterial

The process of using chemical or physical methods to kill or inhibit the growth and reproduction of bacteria, thereby reducing their number and activity.

3.3 bacteriostasis

The process of using chemical or physical methods to inhibit or hinder the growth, reproduction, and activity of bacteria.

3.4 the antibacterial detergent

Washing products with antibacterial (3.2) properties.

3.5 the bacteriostatic detergent

Washing products with bacteriostasis (3.3) properties.

4.1 Raw materials

The raw materials used in various antibacterial and bacteriostatic detergent products shall comply with the provisions of GB/T 26396, and the fragrances shall comply with the provisions of the corresponding product category in GB/T 22731.

4.2 Product quality

The quality of all types of antibacterial and bacteriostatic detergent products shall comply with clearly defined relevant product quality standards.

4.3.1 Action concentration and action time for antibacterial and bacteriostasis tests

Follow the implementation standards or requirements stated for each type of antibacterial and bacteriostatic detergent product. If no standards are stated or the relevant content is not included in the standards being implemented, follow the provisions in Table 1.

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