



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

GB/T 8878-2023

Replacing GB/T 8878-2014

Knitted underwear

针织内衣

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Foreword

This document was drafted in accordance with the rules provided in GB/T 1.1-2020 Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents.

This Standard replaces GB/T 8878-2014 Knitted cotton underwear; compared with GB/T 8878-2014, the main technical changes, except editorial changes, are as follows:

- Change the scope (see Chapter 1; Chapter 1 of the 2014 edition);
- Add the marking principles for out-of-range sizes (see Chapter 4; Chapter 3 of the 2014 edition);
- Add assessment requirements for pilling (see 5.2.1);
- Change the assessment requirements for dimensional change rate of washing (see 5.2.1);
- Add assessment requirements for staining degree of lotion (see 5.2.1);
- Add assessment requirements for appearance quality after washing (see 5.2.1);
- Change the detailing requirements for bursting strength (see footnote a of 5.2.1);
- Add detailing requirements for pilling assessment (see footnote b of 5.2.1);
- Change the detailing requirements for dimensional change rate of washing (see products (see footnote d of 5.2.1);
- Add detailing assessment requirements for the staining degree of lotion (see 5.2.1);
- Add requirements for defects using bonding processes in regulations such as surface defect rating (see 5.3.1.1);
- Change the assessment requirements for color difference of qualified products (see 5.3.1.1);
- Add requirements for straying end of plain color products (see 5.3.1.1; 4.4.1.1 of the 2014 edition);
- Change the requirements for spin run at the bottom edge (see 5.3.1.1; 4.4.1.1 of the 2014 edition);
- Add regulations on main and auxiliary fabrics of ready-made garments (see 5.3.1.1);
- Change some assessment indicators for size deviation (see 5.3.2; 4.4.2 of the 2014 edition);
- Change some assessment indicators for size differences of symmetrical parts (see 5.3.2);
- Delete the sewing regulations (see 4.4.4 of the 2014 edition);
- Add provisions for the test methods of pilling, staining degree of lotion, and appearance quality after washing (see 6.1.2.7, 6.1.2.13, and 6.1.2.14);
- Change the test conditions for dimensional change rate of washing (see 6.1.2.8.3.1; 6.1.2.8.3.2);
- Change the inspection conditions of appearance quality (see 6.2.1; 5.2.1.1 of the 2014 edition);

-- Add a figure of the measurement locations of underwaist (see 6.2.2.3).

Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying patents.

This document was proposed by China National Textile and Apparel Council.

This document shall be under the jurisdiction of National Technical Committee on Textiles of Standardization Administration of China (SAC/TC 209).

Group Co., Ltd., Heilan Home Garments Co., Ltd., China Certification & Inspection Group Tianjin Co., Ltd., Dongguan Fuming Button Co., Ltd., Fafa Digital Technology Co., Ltd., Guangzhou Xingyu Textile Co., Ltd., Huamei Fashion Co., Ltd., Hangzhou Beika Industrial Co., Ltd., Zhejiang Yuntai Textile Co., Ltd., Yiwu Wanyi Technology Development Co., Ltd., Changzhou Chunshu Clothing Technology Co., Ltd., Beijing Huameili Garment & Accessories Co., Ltd., Xinjiang Xinyuesilu Co., Ltd., Tongyi (Quanzhou) Light Industry Co., Ltd., Liaocheng Product Quality Supervision and Inspection Institute, Liaoyuan Product Quality Inspection Institute, Chinatex Joint Inspection (Shanghai) Inspection Technical Services Co., Ltd., Hengbiao Testing Technology (Shanghai) Co., Ltd., Shanwei Quality Technology Association, Tianfangbiao (Shenzhen) Testing and Certification Co., Ltd.

Main drafters of this document: Liu Fengrong, Li Tianjian, He Aifang, Qin Xiaoxia, Ouyang Lin, Guo Weihong, Zhu Yonghong, Lv Yufeng, Yang Huiqing, Xiao Xiuqun, Ge Dongying, Yu Yongmei, Fang Fang, He Bingxiang, Lou Qiankun, Gao Xiaotian, Huang Lewen, Li Wanfang, Li Jia, Kong Linghao, Lin Ruowen, Qiao Wenjie, Zhao Guohua, Hu Wencheng, Hu Lei, Yang Longfeng, Wen Huihua, Shen Jianbing, Luo Shengli, Li Pengpeng, Wang Lei, Cai Zhaoxia, Liu Chunmei, Guo Xiaojun, Li Feng, Zhang Ping, Li Hanfang, Fu Chunlin, Guo Yaxing, Zhou Xuze, Wang Bin, Wang Weitao, Luo Kaiyang, Yu Chunlan, Guan Chunhong, Yang Kali, Li Zhenzhuo, Liu Ran, Li Li, Zhu Lu, Yin Xiaojiao, Ye Haizhou.

This document was first published in 1988, revised for the first time in 1997, revised for the second time in 2002, revised for the third time in 2009, revised for the fourth time in 2014, and this time is the fifth revision.

1 Scope

This document stipulates the size, requirements, testing, sampling rules, judgment rules, product instructions, packaging, transportation and storage of knitted underwear.

This document applies to knitted underwear mainly made of knitted fabrics.

This document does not apply to clothing for infants and young children aged 36 months and below.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the version corresponding to that date is applicable to this document; for undated references, the latest version (including all amendments) is applicable to this document.

GB/T 5296.4, Instructions for use of products of consumer interest - Part 4: Textiles and apparel Chinastandards.org GB/T 5713, Textiles - Tests for colour fastness - Colour fastness to water GB/T 6411, A series of size of knitted underwear GB/T 6529, Textiles - Standard atmospheres for conditioning and testing GB/T 7573, Textiles - Determination of pH of aqueous extract GB/T 8170, Rules of rounding off for numerical values & expression and judgment of limiting values GB/T 8629-2017, Textiles - Domestic washing and drying procedures for textile testing GB/T 14801, Test method for skewness and bow in woven and knitted fabrics GB/T 17592, Textiles - Determination of the banned azo colourants GB 18401, National general safety technical code for textile products GB/T 19976-2005, Textiles - Determination of bursting strength - Steel ball method GB/T 29862, Textiles - Identification of fiber content GB 31701, Safety technical code for infants and children textile products GB/T 38015, Textiles - Quantitative chemical analysis - Mixtures of elastane and certain other fibers GSB 16-1523, Sample photos of fuzzing and pilling of knitted fabrics GSB 16-2500, Color sample photos of surface defects of knitted fabrics FZ/T 01026, Textiles - Quantitative chemical analysis - Multi-component fibre mixtures FZ/T 01057, Test method for identification of textile fibres FZ/T 01101, Textile test method - Fiber content - Quantitative physical analysis

3 Terms and definitions

No terms and definitions need to be defined in this document.

4 Size

The size of knitted underwear shall be in accordance with the regulations of GB/T 6411 or GB/T 1335 (all parts). The off-limits may be increased or decreased in sequence according to the skipping principle stipulated in the standard.

5 Requirements

5.1 Gradation requirements

5.2 Inherent quality requirements

5.2.1 See Table 1 for inherent quality requirements.

is not damaged, and the stitching is not detached; blistering, peeling, and cracking are not