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

GB/T 43955-2024

**Inspection, marking and packing for yarns of cotton, man-made
fibres and blends**

棉及化纤纯纺、混纺纱线检验、标志与包装

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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: Please note that some of the contents of this document may involve patents: The issuing organization of this document does not assume the responsibility for identifying patents: This document was proposed by the China National Textile and Apparel Council: This document is under the jurisdiction of the National Technical Committee on Standardization of Textiles (SAC/TC209): This document was drafted by: Shanghai Textile Industry Technical Supervision Institute, Nantong Shuanghong Textile Co., Ltd., Weiqiao Textile Co., Ltd., Zhejiang Jianghuafu Color Spinning Co., Ltd., Shaoxing Guozhou Textile Finishing Co., Ltd., Bailong Dongfang Co., Ltd., Fujian Xinhua Yuan Textile Group Co., Ltd: Company, Jiangsu Yueda Cotton Spinning Co., Ltd., Changji Esquel Textile Co., Ltd., Shaoxing Guozhou New Materials Co., Ltd., China Cotton Textile Industry Association Association, Shihezi Fiber Inspection Institute, Changji Hui Autonomous Prefecture Fiber Inspection Institute, Qingdao University, Hangzhou Xiaoshan Linfen Textile Co., Ltd., Xinjiang Huashu Textile Technology Co., Ltd., Qingtongxia Renhe Textile Technology Co., Ltd., Kezhou Runhua Textile Technology Co., Ltd., Zhongshan Zhongbiao Technical Service Co., Ltd: Services Co., Ltd., Dongguan Zhuoyue Technology Services Co., Ltd., Anhui Hanlian Color Spinning Co., Ltd., Modern Textile Technology Innovation Center (Jianhu Laboratory), Jihua 3542 Textile Co., Ltd: The main drafters of this document are: Duan Lihui, Yang Xiaohui, Wu Jiashun, Ji Yijun, Zhang Jinfeng, Zhao Lixin, Zheng Guoquan, Yang Yaobin, Chen Wen, Bu Qihu, Liu Xia, Yu Cheng, Yang Jun, Zhao Li, Zhang Lichuan, Xu Jiongjiong, Sun Maozhi, Wang Limin, Wang Zhihong, Lin Yunxian, Zhang Chun'e, Zhang Heng, Dai Hongbo, Fan Yonggang: Cotton and chemical fiber pure and blended yarn inspection, marking and packaging

1 Scope

China's national standard for the inspection, marking and packing of yarn in cotton, man-made fibres and blends. Yarn is traded between spinners and weavers or knitters in enormous volume, and the transaction rests on a description rather than an inspection

because nobody can examine a tonne of yarn. What the description has to convey is the count and its variability, the twist, the strength and elongation, the evenness and the imperfections - the thick places, thin places and neps per kilometre that determine how the yarn will appear in cloth - and the hairiness, which decides how it will behave on a weaving machine. The standard fixes how those are inspected and how a lot is graded, together with the marking and packing that keep a delivery identifiable. The packing is not incidental: yarn is damaged by handling, by moisture and by crushing, and a package that collapses cannot be unwound at speed.

This document specifies the requirements for inspection, marking and packaging of cotton and chemical fiber pure and blended yarns: This document applies to pure or blended yarns of cotton, chemical fiber or other fibers:

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 to This document: GB/T 3291:

- 1 Textiles Textile materials properties and test terms Part 1: Fibres and yarns GB/T 3291:
- 3 Textiles Textile materials properties and test terms Part 3: General GB/T 5296:

3 Terms and definitions

The terms and definitions defined in GB/T 3291:1, GB/T 3291:3, GB/T 9994 and the following apply to this document: 3:

- 1 Gross weight The sum of the mass of the yarn and its packaging: 3:
- 2 Net weight The weight after deducting the weight of the packaging from the gross weight: 3:
- 3 Conventional mass The net weight of the yarn is converted into the mass after the standard moisture regain: 3:
- 4 Consignment The quantity of yarn delivered in a single shipment:

Note: A single delivery batch may consist of one or several production batches of the same specification and quality, or it may consist of parts of a production batch:

4 Instructions for use of consumer products Part 4: Textiles and clothing

GB/T 9994 Standard moisture regain of textile materials

GB/T 9995 Determination of moisture content and moisture regain of textile materials -
Oven drying method

GB/T 9996:2-2008 Blackboard test method for appearance quality of cotton and man-made
fiber pure and blended yarns Part 2: Separate evaluation method

GB/T 29862 Labelling of fibre content of textiles

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