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

GB/T 46947-2025

Cotton fibre - Terminology, classification and coding

棉纤维 术语、分类和编码

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was prepared by the National Technical Committee on Standardization of Fiber (SAC/TC513) and the National Technical Committee on Standardization of Article Coding (SAC/TC287). Under the same jurisdiction. This document was drafted by: China Fiber Quality Monitoring Center, Jiangsu Provincial Fiber Inspection Bureau, Taizhou Fiber Inspection Institute, and Zhangjiagang Jin Hongying Fiber Inspection Center. Textile Co., Ltd., Jiangsu Sidefu Textile Co., Ltd., Jiangsu Chengxin Inspection, Testing and Certification Co., Ltd., Anhui University of Finance and Economics Huai'an Fiber Inspection Institute, Liaocheng Inspection and Testing Center, Anhui Agricultural University, China Article Numbering Center, Jiangsu Provincial Institute of Quality and Standardization College, Jiangsu Business and Trade Vocational College, Jiangsu Provincial Fiber Inspection Center, Jiangsu Provincial Academic Society Service Center, Jiangsu Overseas Group International Engineering Consulting Co., Ltd. Company, Jiangsu Yunjin Home Textiles Co., Ltd., Changzhou Wantai New Material Technology Co., Ltd., Nantong Weiyimei Technology Co., Ltd., Yancheng Fiber Inspection Institute, Lianyungang Fiber Inspection Center, Nantong Fiber Inspection Institute, Suqian Fiber Inspection Institute, Nanjing Product Quality Supervision and Research Institute. The main drafters of this document are. Huang Lisheng, Peng Jun, Chen Xiaojun, Zhang Baoguo, Liu Congjiu, Ding Jiangang, Li Wei, Ma Xia, Chen Shu, Li Hongjun, and Xu Yunhui. Wang Hongshan, Lu Yongliang, Huang Huizhen, Zhang Wenjie, Ma Litao, Fang Dong, Du Jingrong, Ge Yongxin, Wu Jie, Sun Yun, Liu Cheng, Wang Sheng, Sun Junhua, Wu Hao Shen Liping, Qiu Xingxiang, Yan Yan, Huang Xing, Xu Li, Cao Yang, Cheng Guangming, Xu Aiwu, Zhang Yuqian. Cotton fiber terminology, classification and coding

1 Scope

GB/T 46947-2025 is the Chinese national standard covering the vocabulary and classification of cotton fibre - the grades and their colour and trash, the staple length and micronaire, the maturity and strength, and the codes by which a bale is described in trade. First edition. It was issued on 31 December 2025 and has been in force since 1 July 2026, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document defines the terminology and definitions of cotton fibers, and provides the classification and coding of cotton fibers. This document applies to all aspects of cotton fiber production, acquisition, processing, inspection, distribution, use, and research.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB 1103.1-2023 Cotton - Part

3 Naturally Colored Fine-Staple Cotton

GB/T 11951-2018 Terminology for Natural Fibers

GB/T 19635-2024 Cotton Long-staple Cotton

GB/T 36612-2018 Textile Fiber Coding

3.1 Basics

3.1.1 cotton The collective term for the fibers of plants in the genus *Gossypium* of the Malvaceae family and their seeds.

Note. This includes seed cotton, lint cotton, etc. [Source: GB/T 32139-2015, 2.1.1, with modifications]

3.1.2 cotton fiber Single-celled fibers obtained from the seeds of plants in the genus *Gossypium*. [Source: GB/T 11951-2018, 3.2.1.1]

3.1.3 Upland cotton; medium cotton Cotton fiber obtained from upland cotton cultivars

(3.1.2). Note

1.Upland cotton is a tetraploid cultivated cotton variety, originally from the highlands of southern Mexico and the Caribbean region of Central America. Note

2.The typical hand-pulled length is 23mm~33mm, and the linear density is 143mtex~222mtex. [Source: NY/T 2673-2015, 3.6, with modifications]

3.1.4 Sea Island cotton; longstaple cotton Cotton fiber obtained from Sea Island cotton cultivars (3.1.2).