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

GB/T 1103.3-2024

Replacing GB/T 1103.3-2005

Cotton - Part 3: Natural color upland cotton

棉花 第3部分：天然彩色细绒棉

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Table of Contents

- 1 Scope
- 2 Roller processing of fine cotton; Part
- 3 Terms and Definitions

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 is required. This document is Part 3 of GB (T) 1103 "Cotton". GB (T) 1103 has published the following parts. Part

1 Scope

GB/T 1103.3-2024 is the Chinese national standard on cotton - part 3: natural color upland cotton, in the field of textile and leather technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 26 October 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2025. Classification: ICS 59.060.10, CCS B32. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document defines the terms and definitions of natural colored fine-staple cotton, and specifies the quality requirements, sampling, inspection procedures, and The regulations, inspection certificates, packaging and marking, storage and transportation, etc., describe the corresponding inspection methods. This document applies to the production, acquisition, processing, trade, storage and use of natural colored fine cotton.

2 Roller processing of fine cotton; Part

3. Natural colored fine cotton. - This document replaces GB/T 1103.3-2005 "Natural Colored Fine Cotton". Compared with GB/T 1103.3-2005, except for the In addition to structural adjustments and editorial changes, the main technical changes are as follows: Added the

terms "foreign fibers" and "foreign fiber content of baled cotton" (see 3.7, 3.8); Added the type, breaking strength and length uniformity index and test methods (see 4.1, 4.7, 4.8, 6.1.1, 6.1.5, 6.1.6); The reference index of grade conditions has been changed (see 4.2, 7.1.3 of the.2005 edition); - The length classification conditions have been changed (see 4.3,

7.2.1 of the.2005 edition); - Sampling has been changed, including seed cotton sampling and baled cotton sampling (see Chapter 5, Chapter 8 of the.2005 edition); The quality standard production requirements for physical objects have been changed (see 6.1.1,

7.1.4 of the.2005 edition); - The inspection rules have been changed to clarify the inspection items and inspection sequence of the types (see Chapter 7,.2005 edition). 10); Changes to the inspection certificate (see Chapter 8, Chapter 11 of the.2005 edition); - The marking has been changed to clarify the different requirements for batch inspection and package inspection (see 9.3,

12.4 of the.2005 edition). 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 is proposed and coordinated by the National Technical Committee on Fiber Standardization (SAC/TC 513). This document was drafted by: China Colored Cotton (Group) Co., Ltd., China Fiber Quality Monitoring Center, Xinjiang Fiber Quality Monitoring Center Center, Shihezi University, Zhejiang Sci-Tech University, Zhejiang Jiushun Textile Co., Ltd., Xinjiang Agricultural Vocational and Technical College, Xinjiang Production and Construction Corps Seed Management Center. The main drafters of this document are. Liu Haifeng, Li Wei, Tang Shouwu, Abdureshit Mamtim, Song Wu, Zhou Wenlong, Chen Wengang, Li Hongbin, Sun Yuqiang, Wang Xiufang, Jin Youyi, Bi Xingming, Cao Yanyan, and Yuan Zhixia. The previous versions of this document and the documents it replaces are as follows: First published in.2005 as GB 1103.3-2005; According to the Announcement of the National Standards of the People's Republic of China (No. 7 of.2017), from March 23,.2017, the mandatory national standards Transformed into a recommended national standard, and the standard number was changed to GB/T 1103.3-2005; This is the first revision.

Cotton is an important agricultural product and textile industry raw material related to national economy and people's livelihood. The cotton industry plays a vital role in increasing farmers' income, developing the textile industry, and absorbing In order to ensure the orderly development of cotton production, procurement, processing, trade, storage and use, In order to develop the cotton industry chain, my country has carried out the construction of a standard system for the entire cotton industry chain. In the cotton standard system, cotton is divided into fine-staple cotton and long-staple cotton. Fine-staple cotton is the main category in my country. Fine-staple cotton is divided into sawtooth processed fine-staple cotton and roller processed fine-staple cotton according to the processing method. It is divided into white cotton and natural colored cotton. Among them, natural colored fine

cotton is the preferred textile for my country's textile and garment industry to take the path of green and low-carbon development. Raw materials are becoming an important part of my country's cotton industry. The cotton fine-staple cotton product standard is the basic standard of the cotton industry, which guides the production, acquisition, processing, trade and storage of fine-staple cotton in my country. The basic standard for the production and use of different types of fine cotton is intended to specify the quality requirements, inspection rules, inspection certificates, packaging and marking, storage and Storage and transportation, etc., are planned to consist of three parts. Part

1.Sawtooth processed fine-staple cotton. The purpose is to establish the quality requirements, inspection rules and inspection certificates for sawtooth processed fine-staple cotton. The book, packaging and labeling, storage and transportation, etc., will facilitate the production and trade of sawtooth processed fine-staple cotton in my country. Part

2.Roller-processed fine-staple cotton. The purpose is to establish the quality requirements, inspection rules, and inspection certificates for roller-processed fine-staple cotton. The book, packaging and labeling, storage and transportation, etc., are convenient for the production and trade of fine-staple cotton processed by rollers in my country. Part

3.Natural colored fine cotton. The purpose is to establish the quality requirements, inspection rules and inspection certificates of natural colored fine cotton. It includes books, packaging and labeling, storage and transportation, etc., to facilitate the production and trade of natural colored fine-staple cotton in my country. Among them, Part 3 was first published in.2005.The current standard has been issued and implemented for nearly 20 years. Natural colored fine cotton has a high It has natural colors such as brown and green, and does not require printing and dyeing in the subsequent spinning, weaving and clothing making processes, which is in line with my country's green development concept in the new era. Therefore, the natural color fine cotton industry has developed rapidly. First, the breeding of natural color fine cotton has been developed, and brown natural color cotton The quality of the natural colored cotton is relatively stable; secondly, the mechanization degree of the natural colored fine cotton planting and production process has been improved. Finally, the natural color fine cotton processing technology gradually transformed into sawtooth processing. In view of this, it is necessary to revise and improve GB/T 1103.3, in order to adapt to the new situation and new requirements of the development of natural colored fine cotton, and to lead the high-quality development of the natural colored fine cotton industry. develop. This revision actively absorbs the research and innovation results related to solidified natural colored fine-staple cotton, clarifies the types of natural colored fine-staple cotton, optimizes the length index, Standard classification, increase the breaking strength, length uniformity and other indicators, improve the representativeness of sampling, while taking into account the natural color cotton sawtooth processing and leather The connection between the inspection indicators and inspection methods under the two processing methods of roller processing and GB 1103.1 and GB 1103.2. Cotton

Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Natural color upland cotton The cotton fiber itself has a naturally colored fine-staple cotton.

Note. referred to as natural colored cotton.

3.2 Cotton major grade When inspected by lot, it is the grade that accounts for 80% or more, with the remaining grades being only adjacent to it. [Source: GB 1103.2-2012, 3.1]

3.3 gross weight The sum of the weight of cotton and its packaging. [Source: GB 1103.1-2023, 3.6]