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

GB 1103.3-2005

Replacing GB/T 1103.3-2005

**Cotton - Part 3: Natural color upland cotton
(English Translation)**

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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 is required.

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

Part 1: Sawtooth processed fine-staple cotton;

Part 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).

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).

Introduction

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: Natural Colored Micro-Cotton

1 Scope

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 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 latest version (including all amendments) applies to this document.

In this document.

GB 1103.1 Cotton Part 1: Sawtooth processed fine cotton GB 1103.2 Cotton Part 2: Roller-processed fine-staple cotton GB/T 6102.1 Test method for moisture regain of raw cotton - Oven method GB/T 6102.2 Test method for moisture regain of raw cotton - Electrical resistance method GB/T 6498 Test method for micronaire value of cotton fibers GB/T 6499 Test method for trash content in raw cotton GB 6975 Cotton Packaging GB/T 8170 Rules for rounding off values and expression and determination of limit values GB/T 13786 Simulated daylight lighting for cotton grading rooms GB/T 19617 Test method for cotton length - Hand-pulling ruler method GB/T 20392 Test method for physical properties of cotton fibers - Large capacity fiber tester method GB/T 41690 Quantitative test method for foreign fibers in raw cotton - Manual method

3 Terms and Definitions

The following terms and definitions apply to this document.

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

Note: referred to as natural colored cotton.

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]