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

GB/T 10115-2024

Replacing GB/T 10115-2008

Tussah fresh cocoon

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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 replaces GB/T 10115-2008 "Fresh Cocoons of Tussah Silkworm". Compared with GB/T 10115-2008, except for structural adjustments and editorial changes, In addition to the modifications, the main technical changes are as follows: Changed the "Scope" (see Chapter 1, Chapter 1 of the.2008 edition);- Added the term and definition of "fresh tussah cocoons" (see 3.1); Changed the terms and definitions of "upper cocoon", "secondary cocoon", "lower cocoon", "deformed cocoon", "cotton cocoon", "double palace cocoon", and "cocoon layer rate" (See Chapter 3 of the.2008 edition); The term and definition of "waste cocoons" (see

3.10 of the.2008 edition) have been deleted; Added the term and definition of "impurity rate" (see 3.12);- The provisions on upgrading of special-grade cocoons and the number of kilograms of cocoons in the technical requirements have been deleted (see

4.4 of the.2008 edition); Deleted "Kilogram number test" (see

5.5 of the.2008 edition); - The "Inspection Rules" (see Chapter 6 of the.2008 edition) have been changed; The packaging regulations for fresh tussah cocoons have been changed (see

7.1 of the.2008 edition); Added regulations on transportation of fresh tussah cocoons (see 7.3). 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 Fiber Quality Monitoring Center, Guangzhou Fiber Products Testing Institute, Liaoning Fiber Inspection Bureau, Huai'an City Fiber Inspection Institute, Tai'an Food and Drug Inspection and Testing Institute (Tai'an Fiber Inspection Institute), Guangxi Zhuang Autonomous Region Product Quality Inspection Institute Research Institute, Chongqing Metrology and Quality Inspection Institute, Liaoning Zhongtian Silk Co., Ltd., Hechi Fiber Inspection Institute, Beijing

Zhongxian Jingwei Technology Development Co., Ltd. Exhibition Co., Ltd., Chongqing Hongmeida Xinxing Industrial (Group) Co., Ltd., and Juxian Haitong Cocoon Silk Co., Ltd. The main drafters of this document are. Wang Dantao, Zhao Weizhang, Xu Guiyong, Luo Jun, Yang Lihong, Liu Jiaming, Deng Wenjie, Luo Li, Liu Na, Yi Shasha, Long Sha, Guo Linlin, Chen Yufeng, Chen Rongrong, Mu Deming, Wang Xiaohui, Xue Xun, An Xia, and Li Wei. The previous versions of this document and the documents it replaces are as follows: First published as GB 10115-1988 in 1988 and first revised in 2008; This is the second revision. Fresh tussah cocoons

1 Scope

GB/T 10115-2024 is the Chinese national standard on tussah fresh cocoon, 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 W45. 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 specifies the technical requirements, inspection rules, packaging, labeling, storage and transportation of fresh tussah cocoons, and describes the corresponding inspection procedures. Test method. This document applies to the quality assessment of the production, trading and processing of fresh tussah cocoons for textile use.

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. In this document.

GB/T 8170 Rules for rounding off values and expression and determination of limit values

GB/T 9111 Test methods for dried silkworm cocoons

GB/T 9176 Dried silkworm cocoons

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

GB/T 15268 Fresh silkworm cocoons

GB/T 19113 Grading of fresh silkworm cocoons by cocoon layer measurement

GB/T 26380 Textile Terminology for Silk

3 Terms and Definitions

Terms and definitions defined in GB/T 9111, GB/T 9176, GB/T 15268, GB/T 19113 and GB/T 26380 and the following Applicable to this document.

3.1 A cocoon made by a silkworm that feeds on oak leaves and in which the pupae survive.

3.2 raw silk reeling of cocoon Fresh tussah silkworm cocoons with normal cocoon shape, color, cocoon layer thickness, shrinkage state, and pupation state, without any defects, and suitable for reeling silk.

3.3 light defective cocoon Fresh tussah silkworm cocoons with slight defects, but not belonging to the cocooning stage.

3.4 waste cocoon Fresh tussah silk cocoons with serious defects that cannot be spun into tussah silk or are difficult to spun into genuine tussah silk.

Note. Including lumpy cocoons, dry and solid cocoons, deformed cocoons, cotton cocoons, rotten cocoons, double-palace cocoons, etc.

3.5 knotting cocoon The surface of the cocoon layer is very wrinkled and rough, and it is in the shape of lumps.