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

GB/T 15268-2024

Replacing GB/T 15268-2008

Mulberry silkworm fresh cocoons

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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. This document replaces GB/T 15268-2008 "Mulberry silkworm fresh cocoons". Compared with GB/T 15268-2008, except for structural adjustments and editorial changes, In addition to the above, the main technical changes are as follows:

--- Added the terms and definitions of "pupa cocoon" and "pupa cocoon rate", and deleted the terms and definitions of "relaxation rate", "silk length" and "relaxation length" (see Chapter 3, Chapter 3 of the.2008 edition);

--- Changed "quality classification" to "quality requirements" and changed the corresponding technical requirements (see Chapter 4, Chapter 4 of the.2008 edition);

--- Changed "sampling" to "sampling", and changed the corresponding technical requirements (see Chapter 5, Chapter 5 of the.2008 edition);

--- Changed "test method" to "inspection method" and changed the corresponding technical requirements (see Chapter 6, Chapter 6 of the.2008 edition);

--- Changed "classification" to "inspection rules" and changed the corresponding technical requirements (see Chapter 7, Chapter 7 of the.2008 edition);

--- Added the provisions of "Packaging, Storage, Transportation and Marking" (see Chapter 8);

--- Added "Provisions for measurement units and decimal places" (see Appendix A). 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 Fiber Standardization Technical Committee (SAC/TC513). This document was drafted by: China Fiber Quality Monitoring Center, Beijing Zhongxian Jingwei Technology Development Co., Ltd., Guangxi Zhuang Autonomous Region Product Quality Inspection Institute, Sichuan Fiber Inspection

Bureau, Juxian Haitong Silk Co., Ltd., Tai'an Food and Drug Inspection and Testing Institute (Taian City Fiber Inspection Institute), Guangzhou Fiber Product Testing Institute, Hainan Sericulture Industry Co., Ltd., Shengzhou Mosang Modern Cocoon Industry Co., Ltd., Hechi Fiber Inspection Institute, Nanchong Fiber Inspection Institute, Huai'an Fiber Inspection Institute, Jiangxi Provincial Market Supervision and Management Quality and Safety Inspection Center (Jiangxi Food Safety Inspection Center), Sericulture Research Institute of Sichuan Academy of Agricultural Sciences, Chongqing Metrology and Quality Inspection Institute, Chongqing Hongmeida Xinxing Industrial (Group) Co., Ltd., Tai'an Zhengtong Silk Co., Ltd., Yunnan Product Quality Supervision and Inspection Institute, Zhejiang Sci-Tech University, China University of Metrology. The main drafters of this document are. Bi Haizhong, Luo Li, Zhao Weizhang, Guo Linlin, Luo Jun, Yi Shasha, Han Bing, Deng Wenjie, Yang Chengwei, Xing Qiuming, Liu Jialin, Long Sha, An Xia, Wang Xiaohui, Hu Zuozhong, Cui Xicai, Liu Chuan, Xue Xun, Zhu Lisha, Sun Weihong, Han Siyu, Xu Huan, Cheng Ziling, Zhang Yong, Gu Yanan. The previous versions of this document and the documents it replaces are as follows:

---First published in.1994 as GB/T 15268-1994, first revised in.2008;

---This is the second revision. Fresh silkworm cocoons

1 Scope

GB/T 15268-2024 is the Chinese national standard on mulberry silkworm fresh cocoons, 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 28 November 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 June 2025. Classification: ICS 59.060.10, CCS W40. 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 quality requirements, sampling, inspection rules, packaging, storage, transportation and marking of fresh silkworm cocoons, and describes the corresponding inspection method. This document is applicable to the quality inspection and assessment of fresh silkworm cocoons produced using the silk reeling method.

2 Normative references

The contents of the following documents constitute 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 1798-2008 Test methods for raw silk

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

GB/T 9111-2015 Test methods for dried silkworm cocoons

GB/T 9176-2016 Dried silkworm cocoons

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

GB/T 19113-2022 Grading of fresh silkworm cocoons - Cocoon layer measurement method

3 Terms and definitions

The following terms and definitions as defined in GB/T 9111-2015, GB/T 9176-2016, GB/T 19113-2022 and the following terms and definitions apply to this document.

3.1 pupatedcocoon The pupation is normal, the pupal surface is not damaged and the cocoon is of normal color.

3.2 pupatedcocoonrate The percentage of pupation cocoons to the total number of sample cocoons.

4 Quality requirements

4.1 General requirements The quality of fresh silkworm cocoons is expressed in grades, which are determined by basic indicators and supplementary indicators. Basic indicators include the silk yield and relaxation rate of cocoons. The correction indicators include pupation cocoon rate, 10,000-meter cocoon roughness and cleanliness, a total of 3 indicators.

4.2 Basic indicator level The basic indicator level is divided into 11 levels, from high to low, from level 1 to level 11, and below level 11 is a substandard product. It shall be executed according to Table 1.