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

GB/T 46728-2025

Inspection method for nep and trash on grey fabric

本色布棉结杂质检验方法

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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 proposed by the China National Textile and Apparel Council. This document is under the jurisdiction of the National Technical Committee on Standardization of Textiles (SAC/TC209). This document was drafted by: Shanghai Textile Research Institute Co., Ltd., Jiangsu Dasheng Group Co., Ltd., and Ningbo Tiandun Waterproof Materials Co., Ltd. Limited Liability Company, Zhejiang Yubo Textile Co., Ltd., Weiqiao Textile Co., Ltd., Jiangsu Yueda Home Textiles Co., Ltd., Shandong Lianrun New Materials Technology Co., Ltd., Dongguan Zhuoyue Technology Service Co., Ltd., Hangzhou New Silk Road Textile Co., Ltd., Wuxi Shenxin Textile Technology Co., Ltd. Zhejiang Xinmian Textile Co., Ltd., Lufeng Textile Dyeing Co., Ltd., Shandong Jereh Textile Technology Co., Ltd., Zibo Municipal Institute of Inspection, Testing and Metrology Research Institute, Kuqa Lihua Textile Co., Ltd., China Cotton Textile Industry Association, Shanghai Textile Research Institute Jiangban Textile Technology Service Co., Ltd. The main drafters of this document are. Zuo Shuwen, Qi Yingbin, Cai Yun, Wang Yunxia, Hu Shufang, Gao Yanzhong, Fan Qiguang, Li Yang, Fang Fang, and Xie Yibin. Pan Yingfan, Liu Guijie, Li Binshan, Zhang Hongmei, Huang Kehua, Chen Hui, Yang Xiaohui, Zhang Baoqing. Methods for inspecting cotton knots and impurities in natural-colored fabric

1 Scope

GB/T 46728-2025 is the Chinese national standard covering counting neps and trash in unbleached cloth - the lighting and the template, what counts as a nep and what as a seed fragment, the area examined, and the grading, because these are the faults that only become visible after dyeing. First edition, under the China National Textile and Apparel Council. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1

May 2026.

This document describes the inspection methods for knots and impurities in natural-colored fabrics. This document applies to unbleached fabrics woven from pure or blended unbleached yarns of cotton, synthetic fibers, or other fibers, free of cotton knots and impurities. Inspection. Other fabrics should follow the same procedure.

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/T 8170 Rules for rounding off numerical values and the representation and determination of limiting values

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Defect square A grid with knots and impurities.

3.2 The percentage of defective squares on the fabric surface within a specified area relative to the total number of squares sampled.

3.3 cotton knots Undecomposed clumps formed by the entanglement of one or more fibers.

3.4 impurities trash Seed fragments, broken leaves, broken branches, cottonseed husks, hemp, grass, sawdust, and foreign fibers woven into the fabric, with or without pine fiber (or lint). Starch, etc.

4.Principles Press a transparent glass plate of a certain size onto the surface of the sample fabric, count the number of defective squares containing cotton knots or impurities, and calculate the number of defective squares to the total number of squares. The percentage.

5 Equipment and tools

5.1 Glass plate. The effective size is $(15.0 \pm 0.1) \text{cm} \times (15.0 \pm 0.1) \text{cm}$, the thickness is 5mm, and it is engraved with 225 squares, each with an area of 1.0cm^2 .