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

GB/T 13784-2008

Replacing GB/T 13784-1992

Test method for colour of cotton -- Colourimeter method

棉花颜色试验方法 测色仪法

(English Translation)

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Foreword

The standard reference used ASTM D5867-05 "large-capacity fiber tester measured the physical properties of cotton fiber test method" (English Version).

This standard adopts ASTM D5867-05 increase of the following.

--- Physical characteristics using a cotton color standard sample check the calibration of the instrument.

This standard compared with ASTM D5867-05, the main technical differences are as follows.

--- The ASTM D5867-05 the scope of the "determination of any type of raw cotton color levy" is replaced by "other than cotton fiber colored cotton dimension".

--- The standard color characteristic level is determined based on Chinese cotton color feature maps.

--- This standard uses two standard temperate atmosphere GB 6529 regulations.

This standard replaces GB/T 13784-1992 "Standard Test Method for cotton Color color measurement method." this standard compared with GB/T 13784-1992, the main contents of the revised as follows.

--- Revised the scope of the standard, indicating that the standard does not apply colored cotton.

--- Increased references to GB 1103 and GB 6529's.

--- Increase in the standard test sample of the atmosphere humidity control requirements.

(+ Chou) mean OK.

--- Physical characteristics using a cotton color standard sample check the calibration of the instrument.

--- Increasing the quality of not less than 125g per laboratory sample requirements.

Appendix A of this standard is an informative annex.

This standard is proposed and managed by China Fiber Inspection Bureau.

This standard was drafted. Fiber Inspection Bureau of Shandong Province.

1 Scope

This standard applies to fibers other than cotton colored cotton.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 1103 Upland Cotton GB/T 5698 color terms GB/T 6097 sampling cotton fiber test methods GB 6529 textiles conditioning and testing - Standard atmospheres

3 Terms and Definitions

GB 1103, GB/T 5698 and established in the following terms and definitions apply to this standard.

The level of darkness cotton reflected light.

+ Chou

Cotton yellow color depth extent.

Principle 4

White light beam to the sample surface with a cotton sample surface normal to the direction of the irradiation angle of 45 ° on the test window, measured in the normal direction 5 device 5.3 cotton color characteristic physical standard samples.

6 Standard conditioning and testing atmosphere

6.1

conditioning and testing atmosphere shall comply with GB 6529 standard test in temperate secondary standard atmospheric predetermined temperature of $(20 \pm 2) ^\circ\text{C}$, A relative humidity of $(65 \pm 3)\%$.

6.2

higher than the standard cotton sample moisture regain equilibrium moisture, the humidity should be pre-treated.

6.3

The humidity test samples in standard atmosphere, no less than 4h.