



Designation: D2816 – 18

Standard Test Method for Cashmere Coarse-Hair Content in Cashmere¹

This standard is issued under the fixed designation D2816; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reappraisal.

1. Scope

1.1 This test method covers a sequential procedure for determining whether or not the cashmere coarse-hair content of a sample exceeds a specified value.

NOTE 1—For the maximum allowable cashmere coarse-hair content in cashmere, refer to Specification [D2817](#).

NOTE 2—For the quantitative analysis of cashmere hair and blends of cashmere hair and other fibers, refer to Test Methods [D629](#).

1.2 This test method is applicable only to cashmere hair in the form of roving, yarn, or fabric, and to the cashmere hair content of blends with other fibers, where the expected cashmere coarse-hair content is not more than five mass percent (see Footnote C of [Table 1](#)). For greater expected mass percentages of cashmere coarse-hair, see Test Methods [D629](#).

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

[D123 Terminology Relating to Textiles](#)

[D629 Test Methods for Quantitative Analysis of Textiles](#)

[D2130 Test Method for Diameter of Wool and Other Animal Fibers by Microprojection](#)

[D2817 Specification for Maximum Cashmere Coarse-Hair](#)

¹ This test method is under the jurisdiction of ASTM Committee [D13](#) on Textiles and is the direct responsibility of Subcommittee [D13.13](#) on Wool and Felt.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[Content in Cashmere \(Withdrawn 2018\)](#)³
[D4845 Terminology Relating to Wool](#)

3. Terminology

3.1 For all terminology relating to [D13.13](#), Wool and Wool Felt, refer to Terminology [D4845](#).

3.1.1 The following terms are relevant to this test method: cashmere, cashmere coarse hair, cashmere coarse hair content, cashmere down, cashmere hair.

3.2 For all other terminology related to textiles, see Terminology [D123](#).

4. Summary of Test Method

4.1 One thousand (or more) individual fibers of cashmere hair are examined microscopically and classified either as cashmere down or cashmere coarse-hair on the basis of fiber width.

4.2 The procedure ([7.1](#) and [7.2](#)) for classifying a fiber as cashmere coarse-hair or cashmere requires microscopic examination of fiber segments of fixed length. The number of fiber segments of each width category is proportional to the total length of the fibers in each category. Hence, the percentage by length of cashmere coarse-hair in cashmere hair is equal to the percentage by number of cashmere coarse-hair segments as determined by this procedure.

4.3 The observed number of cashmere coarse-hair fibers is compared with the numbers in [Table 1](#) and a decision is made (1) to accept the lot as conforming, (2) to reject the lot as nonconforming, or (3) to continue testing. The counting, classification, and comparison process is continued until a decision can be made as to whether the lot does or does not conform to the specification. [Table 1](#) is based on stated levels of confidence.

5. Significance and Use

5.1 This test method may be used for determining compliance with a specification for maximum cashmere coarse-hair content and is required to be used for determining compliance with Specification [D2817](#).

³ The last approved version of this historical standard is referenced on www.astm.org.