



Designation: D3715/D3715M – 98 (Reapproved 2019)

Standard Practice for Quality Assurance of Pressure-Sensitive Tapes¹

This standard is issued under the fixed designation D3715/D3715M; 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 reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope

1.1 This practice contains uniform quality assurance provisions for pressure-sensitive tapes and establishes sampling plans and procedures for acceptance inspection.

1.2 Limitations:

1.2.1 This practice only includes procedures for when an upper or a lower specification limit is given. It does not provide for double, both minimum and maximum, specification limits.

NOTE 1—When double specification limits are given (applies to variables testing only), use may be made of Table C-3 and Example C-3 of ANSI/ASQC Z1.9.

1.2.2 The variables sampling plans apply to a single quality characteristic. Having obtained the sample and the responses to the physical property tests, acceptance is determined on one quality characteristic at a time. The process is repeated for each additional characteristic.

1.2.3 The variables sampling plans require that the response to each quality characteristic is normally distributed either directly or by transformation. If this is not known, the potential user of this practice should seek the counsel of someone with sufficient understanding of statistical techniques to provide that information.

1.3 The values stated in either SI or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system must be used independently, without combining values in any way.

1.4 *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.*

1.5 *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

D996 Terminology of Packaging and Distribution Environments

2.2 ANSI/ASQC Standards:

ANSI/ASQC A2 Terms, Symbols, and Definitions for Acceptance Sampling³

ANSI/ASQC A3 Quality Systems Terminology⁴

ANSI/ASQC Q94 Quality Management and Quality System Elements—Guidelines⁴

ANSI/ASQC Z1.4 Sampling Procedures and Tables for Inspection by Attributes⁴

ANSI/ASQC Z1.9 Sampling and Tables for Inspection by Variables for Percent Defective

3. Terminology

3.1 *Definitions*—General terms in this practice are defined in Terminology **D996**, ANSI/ASQC A2, and ANSI/ASQC A3.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *acceptability criterion*—the comparison made between a factor, number, or constant found in the sampling plan and the examination or test result information from a single quality characteristic to determine if the lot should be accepted or rejected. For inspection by attributes the acceptability criterion is a comparison with the acceptability constant found in **Table 1**.

3.2.2 *acceptable quality level (AQL)*—a nominal value expressed in terms of percent defective or defects per hundred units, whichever is applicable, specified for a given group of defects of a product (see ANSI/ASQC A2).

¹ This practice is under the jurisdiction of ASTM Committee **D10** on Packaging and is the direct responsibility of Subcommittee **D10.14** on Tape and Labels.

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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.

³ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.

⁴ Available from American Society for Quality (ASQ), 310 West Wisconsin Ave., Milwaukee, WI 53203.