



Designation: ~~D6536/D6536M – 00 (Reapproved 2010)~~^{ε1} D6536/D6536M – 18

Standard Test Method Practice for Measuring the Dip Tube Length of a Mechanical Pump Dispenser¹

This standard is issued under the fixed designation D6536/D6536M; 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.

^{ε1} NOTE—Units information was editorially revised in December 2010.

1. Scope

- 1.1 This ~~test method practice~~ covers the measurement technique for a dip tube of a mechanical pump dispenser.
- 1.2 The values stated in either SI units 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 shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.
- 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~~ safety, health, and ~~health~~ 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. Significance and Use

- 2.1 This ~~test method practice~~ is to be used to measure the length of a specified dip tube from the bottom of the sealing surface to the end of the dip tube in a mechanical pump dispenser.
- 2.2 This ~~test method practice~~ is to be used to measure the exposed length of a specified dip tube of a mechanical pump dispenser.

3. Apparatus

- 3.1 *Thin Metal Ruler*, with minimum gradients of 1 mm or $\frac{1}{16}$ in., or both, along with a zero index at the end of the ruler.
- 3.2 *Calipers*.

4. Procedure

~~TEST METHOD PRACTICE “A”~~—MEASUREMENT OF OVERALL DIP TUBE LENGTH

NOTE 1—This ~~test method practice~~ is used when the exposed sealing surface of the mechanical pump dispenser is large enough to measure from.

- 4.1 While holding the mechanical pump dispenser with its axis in a horizontal plane, place the zero index end of the ruler against the bottom of the seal surface. Fig. 1—dimension “X.”
- 4.2 If needed, straighten the dip tube out so that it is parallel with the length of the ruler.
- 4.3 Measure the overall length of the dip tube to within a full millimetre or $\frac{1}{16}$ in. length.
- 4.4 Record the length measured in 5.1.

~~TEST METHOD PRACTICE “B”~~—MEASUREMENT OF EXPOSED DIP TUBE LENGTH

NOTE 2—This ~~test method practice~~ is used in all applications.

- 4.5 While holding the mechanical pump dispenser with its axis in a horizontal plane, place the zero index end of the ruler against the bottom end of the body. Fig. 1—dimension “Z.”

¹ This ~~test method practice~~ is under the jurisdiction of ASTM Committee F02 on Flexible Primary Barrier Packaging and is the direct responsibility of Subcommittee F02.30 on Mechanical Pump Dispensers.

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