



Designation: D3666 – 24

Standard Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials¹

This standard is issued under the fixed designation D3666; 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 specification covers the minimum requirements for field and laboratory personnel, for establishing and maintaining a quality management system, and establishes minimum qualifications for agencies engaged in the testing and inspection of road and paving materials.

1.2 Criteria are provided for evaluating the capability of an agency to properly perform designated tests on road and paving materials, and for establishing guidelines pertaining to an agency's organization, personnel, facilities, and quality system. This specification may be supplemented by more specific criteria, such as that in Specification **E329**, and requirements for particular projects.

1.3 This specification can be used as a basis to evaluate testing or inspection agencies, or both, and is intended for use for the qualifying or accrediting, or both, of testing or inspection agencies, public or private, engaged in the testing and inspection of road and paving materials.

1.4 Accreditation is required to comply with this standard. Accreditation for this standard shall include at least one field. (See **8.1.3**.)

1.5 The users of the accredited agency must review the agency's scope of accreditation to ensure the agency has been accredited for its technical competence to perform the tasks requested by the user.

1.6 The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.

1.7 *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 appro-*

priate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.

1.8 *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 The following referenced documents are those that are specifically mentioned in this specification. These referenced documents are not meant to be all inclusive, as this specification applies, as appropriate, to all test methods under the jurisdiction of Committee D04.

2.2 ASTM Standards:²

- C29/C29M** Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate
- C88/C88M** Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
- C128** Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate
- C131/C131M** Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- C1252** Test Methods for Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading)
- D5/D5M** Test Method for Penetration of Bituminous Materials
- D8** Terminology Relating to Materials for Roads and Pavements
- D36/D36M** Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)
- D70/D70M** Test Method for Specific Gravity and Density of Semi-Solid Asphalt Binder (Pycnometer Method)

¹ This specification is under the jurisdiction of ASTM Committee **D04** on Road and Paving Materials and is the direct responsibility of Subcommittee **D04.95** on Quality Control, Inspection and Testing Agencies.

Current edition approved Aug. 1, 2024. Published August 2024. Originally approved in 1978. Last previous edition approved in 2016 as D3666 – 16. DOI: 10.1520/D3666-24.

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

*A Summary of Changes section appears at the end of this standard