



Designation: **D1799 – 03a (Reapproved 2014) D1799 – 19**

Standard Practice for Carbon Black—Sampling Packaged Shipments¹

This standard is issued under the fixed designation D1799; 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 covers the sampling of packaged carbon blacks for shipment in bags, cartons, flexible intermediate bulk containers (FIBC), or other non-bulk packages.

NOTE 1—The tests to be made on the samples obtained by this practice shall be determined by the producer and the consumer. The specific details of each test method are described in appropriate ASTM methods used for testing carbon black.

1.2 The values stated in SI units are to be regarded as the standard. The values in parentheses are for information only.

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

D1509 Test Methods for Carbon Black—Heating Loss

D5817 Practice for Carbon Black, Pelleted—Reduction, Blending, and Drying of Gross Samples for Testing

3. Significance and Use

3.1 This practice is for use in obtaining representative samples of carbon black from the packages in the shipment. These samples are used to determine the average quality or variability of the shipment.

4. Apparatus

4.1 *Sample Splitter*, riffle-type (see Practice **D5817** for equipment information).

4.2 *Sample Containers*, airtight, 4 dm³ (1-gal) capacity.

4.3 *Scoop*, sample.

4.4 *Thief*, sample.

5. General

5.1 Packaged shipments of carbon blacks most often consist of 11.35-kg (25-lb), 22.7-kg (50-lb), 25-kg (55-lb), or 50-kg (110-lb) bags. Flexible intermediate bulk containers usually range in size from 180 kg (396 lb) to 1300 kg (2860 lb). This practice may be applied to bags or FIBCs of other sizes. These packages are loaded into vans in definite patterns agreed upon by the producer and the consumer. These may be in the form of unit loads, stacks, or individual FIBCs. In each case, a shipment involves a given number of packages, units, tiers, or mass.

¹ This practice is under the jurisdiction of ASTM Committee **D24** on Carbon Black and is the direct responsibility of Subcommittee **D24.61** on Carbon Black Sampling and Statistical Analysis.

Current edition approved June 1, 2014; Nov. 1, 2019. Published November 2014; November 2019. Originally approved in 1960. Last previous edition approved in 2008 as **D1799 – 03a** (2008) (2014). DOI: 10.1520/D1799-03AR14; 10.1520/D1799-19.

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.