



Designation: D6063 – 11 (Reapproved 2018)

## Standard Guide for Sampling of Drums and Similar Containers by Field Personnel<sup>1</sup>

This standard is issued under the fixed designation D6063; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This guide covers information, including flow charts, for field personnel to follow in order to collect samples from drums and similar containers.

1.2 The purpose of this guide is to help field personnel in planning and obtaining samples from drums and similar containers, using equipment and techniques that will ensure that the objectives of the sampling activity will be met. It can also be used as a training tool.

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.* See specific warnings in 7.4.3 and 7.4.4.

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:<sup>2</sup>

- C783 Practice for Core Sampling of Graphite Electrodes
- D1452/D1452M Practice for Soil Exploration and Sampling by Auger Borings
- D1586 Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils
- D1587/D1587M Practice for Thin-Walled Tube Sampling of Fine-Grained Soils for Geotechnical Purposes
- D2113 Practice for Rock Core Drilling and Sampling of

#### Rock for Site Exploration

- D4448 Guide for Sampling Ground-Water Monitoring Wells
- D4687 Guide for General Planning of Waste Sampling
- D4700 Guide for Soil Sampling from the Vadose Zone
- D4823 Guide for Core Sampling Submerged, Unconsolidated Sediments
- D4840 Guide for Sample Chain-of-Custody Procedures
- D5088 Practice for Decontamination of Field Equipment Used at Waste Sites
- D5283 Practice for Generation of Environmental Data Related to Waste Management Activities: Quality Assurance and Quality Control Planning and Implementation
- D5358 Practice for Sampling with a Dipper or Pond Sampler
- D5451 Practice for Sampling Using a Trier Sampler
- D5495 Practice for Sampling With a Composite Liquid Waste Sampler (COLIWASA)

### 3. Terminology

#### 3.1 Definitions:

- 3.1.1 *bung, n*—usually a 2-in. (5-cm) or 3/4-in. (1.3-cm) diameter threaded plug, specifically designed to close a bung hole.
- 3.1.2 *bung hole, n*—an opening in a barrel or drum through which it can be filled, emptied, or vented.
- 3.1.3 *consolidated solid, n*—as used in this guide, a compact solid not easily compressed or broken into smaller portions.
- 3.1.4 *drum, n*—implies any drum, barrel, or non-bulk container of 5 to 110 gal (19 to 400 L) capacity.
- 3.1.5 *representative sample, n*—a sample collected such that it reflects one or more characteristics of interest (as defined by the project objectives) of the population from which it was collected.
- 3.1.6 *sample, n*—one or more items or portions collected from a lot or population.
- 3.1.7 *sampler, n*—the device used to obtain a sample.
- 3.1.8 *sludge, n*—as used in this guide, any mixture of solids that settles out of solution; sludges contain liquids that are not apparent as free liquids.
- 3.1.9 *unconsolidated solid, n*—as used in this guide, uncemented or uncompacted material that is easily separated into smaller portions.

<sup>1</sup> This guide is under the jurisdiction of ASTM Committee D34 on Waste Management and is the direct responsibility of Subcommittee D34.01.02 on Sampling Techniques.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.