



Standard Specification for Portable Kerosine Containers for Consumer Use¹

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1. Scope

1.1 This specification establishes nationally recognized performance requirements for portable kerosine containers for reuse by the consumer. This specification does not include single-trip packaged containers.

1.2 This standard is not a fire risk assessment standard, or a fire test standard, but a specification for portable kerosine containers for consumer use.

1.3 The following precautionary caveat pertains only to the test method portion, Section 7, of this specification: *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 and health practices and determine the applicability of regulatory limitations prior to use.* Additional precautionary information is given in Section 6.

2. Referenced Documents

2.1 ASTM Standards:

- B 117 Practice for Operating Salt Spray (Fog) Apparatus²
- D 471 Test Method for Rubber Property—Effect of Liquids³
- D 572 Test Method for Rubber—Deterioration by Heat and Oxygen³
- D 638 Test Method for Tensile Properties of Plastics⁴
- D 794 Practice for Determining Permanent Effect of Heat on Plastics⁴
- D 999 Methods for Vibration Testing of Shipping Containers⁵
- D 2561 Test Method for Environmental Stress-Crack Resistance of Blow-Molded Polyethylene Containers⁶
- D 2565 Practice for Operating Xenon Arc-Type Light-Exposure Apparatus With and Without Water for Exposure of Plastics⁶
- D 3435 Specification for Plastic Containers (Jerry Cans) for

Petroleum Products⁷

D 3699 Specification for Kerosine⁸

F 926 Specification for Cautionary Labeling of Portable Kerosine Containers for Consumer Use⁹

G 23 Practice for Operating Light-Exposure Apparatus (Carbon-Arc Type) with and without Water for Exposure of Nonmetallic Materials¹⁰

2.2 ANSI Standard:

B71.1b1977 Supplement to Safety Specifications for Power Lawn Mowers, Lawn and Garden Tractors, and Lawn Tractors¹¹

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *kerosine, n*—a hydrocarbon mixture obtained from petroleum distillation as specified in Specification D 3699.

3.1.2 *portable kerosine container, n*—a vessel designed to be carried by hand and used to transport kerosine from distribution point to use point.

3.1.3 *pouring vent, n*—the part of the container enabling free entry of air to replace the liquid being poured out.

3.1.4 *rated capacity, n*—the volume indicated on the container. It may also be termed nominal capacity or maximum filling level.

3.1.5 *spout, n*—a component through which the contents of the container can be dispensed.

3.1.6 *total volume, n*—rated capacity plus any remaining space within the container.

4. Requirements

4.1 The container shall evidence good workmanship and meet the following requirements:

4.2 *Color*—The container shall be predominately medium blue in color. Pigments, coatings, or other means used to impart color shall not be affected by kerosine.

4.3 *Capacity*—The maximum rated capacity shall be 25 L (6.6 gal).

4.3.1 The total volume of a container shall exceed its rated capacity by at least 5 %.

¹ This specification is under the jurisdiction of ASTM Committee F-15 on Consumer Products and is the direct responsibility of Subcommittee F15.10 on Safety Standards for Flammable Liquid Containers.

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² Annual Book of ASTM Standards, Vol 03.02.

³ Annual Book of ASTM Standards, Vol 09.01.

⁴ Annual Book of ASTM Standards, Vol 08.01.

⁵ Annual Book of ASTM Standards, Vol 15.09.

⁶ Annual Book of ASTM Standards, Vol 08.02.

⁷ Annual Book of ASTM Standards, Vol 08.03.

⁸ Annual Book of ASTM Standards, Vol 05.02.

⁹ Annual Book of ASTM Standards, Vol 15.07.

¹⁰ Annual Book of ASTM Standards, Vol 14.02.

¹¹ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.