



Standard Specification for Oiticica Oil (Permanently Liquid)¹

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1. Scope

1.1 This specification covers oiticica oil that has been treated to render it permanently liquid.

2. Referenced Documents

2.1 ASTM Standards:

- D 445 Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and the Calculation of Dynamic Viscosity)²
- D 555 Guide for Testing Drying Oils³
- D 1466 Test Method for Sampling Liquid Oils and Fatty Acids Commonly Used in Paints, Varnishes, and Related Materials³
- D 1475 Test Method for Density of Paint, Varnish, Lacquer, and Related Products⁴
- D 1544 Test Method for Color of Transparent Liquids (Gardner Color Scale)⁴
- D 1545 Test Method for Viscosity of Transparent Liquids by Bubble Time Method³
- D 1639 Test Method for Acid Value of Organic Coating Materials³
- D 1955 Test Method for Gel Time of Drying Oils³
- D 1958 Test Method for Chloroform Insoluble Matter in Oiticica Oil³

D 1959 Test Method for Iodine Value of Drying Oils and Fatty Acids³

D 1963 Test Method for Specific Gravity of Drying Oils, Varnishes, Resins, and Related Materials at 25/25 C³

3. Properties

3.1 Oiticica oil (permanently liquid) shall conform to the requirements in Table 1 .

TABLE 1 Physical Properties

Property	Requirement	ASTM Method
Specific gravity, 25/25°C, min	0.972	D 1963, D1475
Viscosity at 25°C, approximate Stokes	11 to 23	D 1545, D445
Acid value, max	8.0	D 1639
Iodine value (Wijs), min	135	D 1959
Color (Gardner 1933 Standards), max	11	D 1544
Gel time, minutes, max	17	D 1955
Refractive index at 25°C, min	1.5100	...
Matter insoluble in chloroform, max, %	0.1	D 1958

4. Test Methods

4.1 *Sampling*—Sampling shall be conducted in accordance with Test Method D 1466.

4.2 The properties enumerated in this specification shall be determined in accordance with the applicable ASTM test methods listed in Table 1. The significance of these test methods enumerated under properties in this specification is discussed in Methods D 555.

5. Keywords

5.1 drying oils; oiticica oil

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² *Annual Book of ASTM Standards*, Vol 05.01.

³ *Annual Book of ASTM Standards*, Vol 06.03.

⁴ *Annual Book of ASTM Standards*, Vol 06.01.

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