



Designation: ~~D1122–16~~ **D1122 – 16 (Reapproved 2017)^{ε1}**

Standard Test Method for Density or Relative Density of Engine Coolant Concentrates and Engine Coolants By The Hydrometer¹

This standard is issued under the fixed designation D1122; 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.

^{ε1} NOTE—Editorial changes were made throughout in April 2017.

1. Scope*~~Scope~~

- 1.1 This test method covers the determination of the relative density of engine coolant concentrates and engine coolants.
- 1.2 The values stated in SI units are to be regarded as standard. The values given 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 and health 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

- [D1176 Practice for Sampling and Preparing Aqueous Solutions of Engine Coolants or Antirusts for Testing Purposes](#)
- [E1 Specification for ASTM Liquid-in-Glass Thermometers](#)
- [E100 Specification for ASTM Hydrometers](#)
- [E230/E230M Specification and Temperature-Electromotive Force \(emf\) Tables for Standardized Thermocouples](#)

[ASTM D1122-16\(2017\)e1](#)

<https://standards.iteh.ai/catalog/standards/sist/3c801893-75b5-48b8-bc3d-1b0b9d4b79ed/astm-d1122-162017e1>

¹ This test method is under the jurisdiction of ASTM Committee D15 on Engine Coolants and Related Fluids and is the direct responsibility of Subcommittee D15.03 on Physical Properties.

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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~~standard's Document Summary page on the ASTM website.

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