



Designation: D5248 – 04(Reapproved 2010)

Standard Specification for Reclaimed 1,1,2-Trichloro 1,2,2-Trifluoroethane¹

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1. Scope

1.1 This specification covers the three grades of 1,1,2-trichloro 1,2,2-trifluoroethane² typically needed in various industries. It may be used as a reference document by purchasers or by persons establishing in-house, 1,1,2-trichloro 1,2,2-trifluoroethane recovery programs.

2. Referenced Documents

2.1 ASTM Standards:³

[D1064 Test Methods for Iron in Rosin Tall Oil Fatty Acids and Other Related Products \(Withdrawn 2002\)](#)⁴

[D2108 Test Method for Color of Halogenated Organic Solvents and Their Admixtures \(Platinum-Cobalt Scale\)](#)

[D2109 Test Methods for Nonvolatile Matter in Halogenated Organic Solvents and Their Admixtures](#)

[D2111 Test Methods for Specific Gravity and Density of Halogenated Organic Solvents and Their Admixtures](#)

[D3401 Test Methods for Water in Halogenated Organic Solvents and Their Admixtures](#)

[D3443 Test Method for Chloride in Trichlorotrifluoroethane](#)

[D3444 Test Method for Total Acid Number of Trichlorotrifluoroethane](#)

[D3741 Test Methods for Appearance of Admixtures Containing Halogenated Organic Solvents](#)

[D6806 Practice for Analysis of Halogenated Organic Solvents and Their Admixtures by Gas Chromatography](#)

3. Classification

3.1 *Type I*—Generally recognized for use in precision applications.

3.2 *Type II*—Use for less demanding precision applications.

3.3 *Type III*—General-purpose technical grade.

4. Properties

4.1 Reclaimed 1,1,2-trichloro 1,2,2-trifluoroethane Type I shall meet the requirements prescribed in [Table 1](#).

4.2 Reclaimed 1,1,2-trichloro 1,2,2-trifluoroethane Type II shall meet the requirements prescribed in [Table 2](#).

4.3 Reclaimed 1,1,2-trichloro 1,2,2-trifluoroethane Type III shall meet the requirements prescribed in [Table 3](#).

5. Keywords

5.1 1,1,2-trichloro 1,2,2-trifluoroethane ; CFC 113; Type I; Type II; Type III

¹ This specification is under the jurisdiction of ASTM Committee D26 on Halogenated Organic Solvents and Fire Extinguishing Agents and is the direct responsibility of Subcommittee D26.02 on Vapor Degreasing.

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² 1,1,2-trichloro 1,2,2-trifluoroethane: CAS No. 76-13-1.

³ 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.

⁴ The last approved version of this historical standard is referenced on www.astm.org.