

Document number and name	40 CFR part 600 reference
ASTM D 1298-85 (Reapproved 1990) Standard Practice for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method.	600.113-93, 600.510-93, 600.113-08, 600.510-08.
ASTM D 3343-90 Standard Test Method for Estimation of Hydrogen Content of Aviation Fuels.	600.113-93, 600.113-08.
ASTM D 3338-92 Standard Test Method for Estimation of Net Heat of Combustion of Aviation Fuels.	600.113-93, 600.113-08.
ASTM D 240-92 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter.	600.113-93, 600.510-93, 600.113-08, 600.510-08.
ASTM D975-04c "Standard Specification for Diesel Fuel Oils"	600.107-08.
ASTM D 1945-91 Standard Test Method for Analysis of Natural Gas By Gas Chromatography..	600.113-93, 600.113-08.

(2) [Reserved]

[59 FR 39652, Aug. 3, 1994, as amended at 69 FR 18803, Apr. 9, 2004; 71 FR 77933, Dec. 27, 2006]

Subpart B—Fuel Economy Regulations for 1978 and Later Model Year Automobiles—Test Procedures

SOURCE: 42 FR 45657, Sept. 12, 1977, unless otherwise noted.

§ 600.101-08 General applicability.

(a) The provisions of this subpart are applicable to 2008 and later model year automobiles, except medium duty passenger vehicles, manufactured on or after January 26, 2007, and to 2011 and later model year medium-duty passenger vehicles. All 2008 automobiles manufactured prior to January 26, 2007 may optionally comply with the provisions of this subpart.

[71 FR 77933, Dec. 27, 2006]

§ 600.101-86 General applicability.

(a) The provisions of this subpart are applicable to 1986 and later model year gasoline-fueled and diesel automobiles.

[49 FR 13849, Apr. 6, 1984]

§ 600.101-93 General applicability.

The provisions of this subpart are applicable to 1993 and later model year gasoline-fueled, diesel-fueled, alcohol-fueled, natural gas-fueled, alcohol dual fuel, and natural gas dual fuel automobiles.

[59 FR 39652, Aug. 3, 1994]

§ 600.102-78 Definitions.

The definitions in § 600.002 apply to this subpart.

§ 600.103-78 Abbreviations.

The abbreviations in § 600.003 apply to this subpart.

§ 600.104-78 Section numbering, construction.

The section numbering system set forth in § 600.004 applies to this subpart.

§ 600.105-78 Recordkeeping.

The recordkeeping requirements set forth in § 600.005 apply to this subpart.

§ 600.106-08 Equipment requirements.

The requirements for test equipment to be used for all fuel economy testing are given in Subparts B and C of part 86 of this chapter.

[71 FR 77933, Dec. 27, 2006]

§ 600.106-78 Equipment requirements.

The requirements for test equipment to be used for all fuel economy testing are given in §§ 86.106, 86.107, 86.108, 86.109, and 86.111 of this chapter, as applicable.

§ 600.107-08 Fuel specifications.

(a) The test fuel specifications for gasoline, diesel, methanol, and methanol-petroleum fuel mixtures are given in § 86.113 of this chapter, except for cold temperature FTP fuel requirements for diesel and alternative fuel vehicles, which are given in paragraph (b) of this section.

(b)(1) Diesel test fuel used for cold temperature FTP testing must comprise a winter-grade diesel fuel as specified in ASTM D975-04c "Standard Specification for Diesel Fuel Oils" and

§ 600.107-78

that complies with part 80 of this chapter. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959. Copies may be inspected at U.S. EPA Headquarters Library, EPA West Building, Constitution Avenue and 14th Street, NW., Room 3340, Washington, DC, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html. Alternatively, EPA may approve the use of a different diesel fuel, provided that the level of kerosene added shall not exceed 20 percent.

(2) The manufacturer may request EPA approval of the use of an alternative fuel for cold temperature FTP testing.

[71 FR 77933, Dec. 27, 2006]

§ 600.107-78 Fuel specifications.

(a) The test fuel specifications for gasoline-fueled automobiles are given in paragraph (a)(1) of §86.113 of this chapter.

(b) The test fuel specifications for diesel automobiles are given in paragraphs (b) (1) and (2) of §86.113 of this chapter.

§ 600.107-93 Fuel specifications.

(a) The test fuel specifications for gasoline-fueled automobiles are given in §86.113(a) (1) and (2) of this chapter.

(b) The test fuel specifications for diesel-fueled automobiles are given in §86.113(b) (1) through (3) of this chapter.

(c) The test fuel specifications for methanol fuel used in Otto-cycle automobiles are given in §86.113(a) (3) and (4) of this chapter.

(d) The test fuel specifications for methanol fuel used in diesel cycle automobiles are given in §86.113(b) (4) through (6) of this chapter.

(e) The test fuel specifications for mixtures of petroleum and methanol

40 CFR Ch. I (7-1-07 Edition)

fuels for methanol dual fuel vehicles are given in §86.113(d) of this chapter.

(f) The specification range of the fuels to be used under paragraphs (c) and (d) of this section shall be reported in accordance with §86.090-21(b)(3) of this chapter.

[59 FR 39652, Aug. 3, 1994]

§ 600.108-78 Analytical gases.

The analytical gases for all fuel economy testing must meet the criteria given in §86.114 of this chapter.

§ 600.109-08 EPA driving cycles.

(a) The FTP driving cycle is prescribed in §86.115 of this chapter.

(b) The highway fuel economy driving cycle is specified in this paragraph.

(1) The Highway Fuel Economy Driving Schedule is set forth in Appendix I of this part. The driving schedule is defined by a smooth trace drawn through the specified speed versus time relationships.

(2) The speed tolerance at any given time on the dynamometer driving schedule specified in Appendix I of this part, or as printed on a driver's aid chart approved by the Administrator, when conducted to meet the requirements of paragraph (b) of §600.111 is defined by upper and lower limits. The upper limit is 2 mph higher than the highest point on trace within 1 second of the given time. The lower limit is 2 mph lower than the lowest point on the trace within 1 second of the given time. Speed variations greater than the tolerances (such as may occur during gear changes) are acceptable provided they occur for less than 2 seconds on any occasion. Speeds lower than those prescribed are acceptable provided the vehicle is operated at maximum available power during such occurrences.

(3) A graphic representation of the range of acceptable speed tolerances is found in §86.115(c) of this chapter.

(c) The US06 driving cycle is set forth in Appendix I of part 86 of this chapter.

(d) The SC03 driving cycle is set forth in Appendix I of part 86 of this chapter.

[71 FR 77933, Dec. 27, 2006]

§ 600.109-78 EPA driving cycles.

(a) The driving cycle to be utilized for generation of the city fuel economy