

TABLE—COLD CO FUEL SPECIFICATIONS—Continued

Item	ASTM test	Cold CO low octane value or range	Cold CO high octane ¹ value or range
RVP, psi	D 4953	11.5±3	11.5±3.
Hydrocarbon composition	D 1319.		
Olefins, vol. pct		12.5±5.0	10.0±5.0.
Aromatics, vol. pct		26.4±4.0	32.0±4.0.
Saturates		Remainder	Remainder.

¹ Gasoline having these specifications may be used for vehicles which are designed for the use of high-octane premium fuel.

(b) *Petroleum-fueled diesel-cycle light-duty vehicles and light-duty trucks.* Diesel test fuel used for cold temperature FTP testing under part 600 of this chapter must be a winter-grade diesel fuel as specified in ASTM D975–04c “Standard Specification for Diesel Fuel Oils.” (incorporated by reference, see § 86.1) Such test fuel must also comply with the requirements of 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. The Administrator may approve the use of a different diesel test fuel, provided that the level of kerosene added shall not exceed 20 percent.

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§ 86.213–94 Fuel specifications.

Gasoline having the following specifications will be used by the Administrator. Gasoline having the specifications set forth in the table in this section, or substantially equivalent specifications approved by the Administrator, may be used by the manufacturer except that the octane specification does not apply. In lieu of using gasoline having these specifications, the manufacturer may, for certification testing, use gasoline having the specifications specified in § 86.113–90 provided the cold CO emissions are not decreased. Documentation showing that cold CO emissions are not decreased shall be maintained by the manufacturer and shall be made available to the Administrator upon request.

TABLE—COLD CO FUEL SPECIFICATIONS

Item	ASTM test	Cold CO low octane value or range	Cold CO high octane ¹ value or range
(RON+MON)/2, min	D2699	87.8±3	92.3±0.5
Sensitivity, min	D2699	7.5	7.5
Distillation range:			
IBP, °F	D86	76–96	76–96
10% point, °F	D86	98–118	105–125
50% point, °F	D86	179–214	195–225
90% point, °F	D86	316–346	316–346
EP, max, °F	D86	413	413
Sulfur, wt. %	D3120	0.035±0.015	0.020±0.015
Phosphorous, g/U.S gal, max	D3231	0.005	0.005
Lead, g/gal, max		0.01	0.01
RVP, psi	D4953	11.5±3	11.5±3
Hydrocarbon composition	D1319		
Olefins, vol. pct		12.5±5.0	10.0±5.0
Aromatics, vol. pct		26.4±4.0	32.0±4.0
Saturates		Remainder	Remainder

¹ Gasoline having these specifications may be used for vehicles which are designed for the use of high-octane premium fuel.