

**Environmental Protection Agency**

**§ 86.213-94**

that cold CO emissions are not decreased must be maintained by the manufacturer and must be made available to the Administrator upon re-

quest. The table listing the cold CO fuel specifications described in the text in this section follows:

TABLE—COLD CO FUEL SPECIFICATIONS

Item	ASTM test	Cold CO low octane value or range	Cold CO high octane <sup>1</sup> value or range
(RON+MON)/2, min .....	D 2699	87.8±.3	92.3±0.5
Sensitivity, min .....	D 2699	7.5	7.5
Distillation range..			
IBP, deg.F .....	D 86	76-96	76-96
10% point, deg.F. ....	D 86	98-118	105-125
50% point, deg.F. ....	D 86	179-214	195-225
90% point, deg.F. ....	D 86	316-346	316-346
EP, max, deg.F .....	D 86	413	413
Sulfur, wt. % .....	D 3120	0.0015-0.008	0.0015-0.008
Phosphorous, g/U.S gal, max .....	D 3231	0.005	0.005
Lead, g/gal, max .....		0.01	0.01
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.

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

[65 FR 6850, Feb. 10, 2000]

**§ 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 <sup>1</sup> 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

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