

# 40 C.F.R. § 86.113-04

## Fuel specifications.

This section includes text that specifies requirements that differ from § 86.113-94. Where a paragraph in § 86.113-94 is identical and applicable to this section, this will be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see § 86.113-94.”.

(a) *Gasoline fuel.* (1) Gasoline meeting the following specifications, or substantially equivalent specifications approved by the Administrator, must be used for exhaust and evaporative testing:

Table 1 to § 86.113-04—Test Fuel Specifications for Gasoline Without Ethanol

Item	Regular	Reference procedure 1
Research octane, Minimum 2	93	ASTM D2699
Octane sensitivity 2	7.5	ASTM D2700
Distillation Range ( °F):		
Evaporated initial boiling point 3	75-95	ASTM D86
10% evaporated	120-135	
50% evaporated	200-230	
90% evaporated	300-325	
Evaporated final boiling point	415 Maximum	
Total Aromatic Hydrocarbon (vol %)	35% Maximum	ASTM D1319 or ASTM D5769
Olefins (vol %) 4	10% Maximum	ASTM D1319 or ASTM D6550
Lead, g/gallon (g/liter), Maximum	0.050 (0.013)	ASTM D3237
Phosphorous, g/gallon (g/liter), Maximum	0.005 (0.0013)	ASTM D3231
Total sulfur, wt. % 5	0.0015-0.008	ASTM D2622
Dry Vapor Pressure Equivalent (DVPE), kPa (psi) 6	60.0-63.4 (8.7-9.2)	ASTM D5191

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