

Gasoline, Aviation, Grade UL94

Product: AVGAS UL94	Applicable standards: ASTM D7547-23	Use: Aviation gasoline intended primarily for use in aircraft spark ignition reciprocating engines
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Sales specification	Units	Grade UL94
Appearance		Colourless
Tetraethyl Lead Content	gPb/l	Max 0.013
Sulphur, total	% (m/m)	Max 0.05
Potential Gum	mg/100ml	Max 6.0
Density at 15°C	kg/m ³	report only
Freezing Point	°C	Max minus 58.0
Motor Octane Number (MON)		Min 94.0
Specific Energy	MJ/kg	43.50
Copper Strip	Class	Max 1
Volume Change	ml	Max 2
Electrical Conductivity	pS/m	Min 50 / Max 600
Distillation		
Vapour Pressure at 38°C	kPa	Min 38.0 / Max 49.0
Temperature at % of fuel evaporated		
40 vol %	at °C	Min 75
50 vol %	at °C	Max 105
90 vol %	at °C	Max 135
Final Boiling Point	at °C	Max 170
Residue	% (v/v)	Max 1.5
Loss	% (v/v)	Max 1.5
Corrosion		
Copper strip, 2hr at 100°C		Max class 1
Contaminants		
Oxidation Stability, 5 Hours aging		
Potential Gum	mg/100ml	Max 6
Lead Precipitate	mg/100ml	Max 2
Water reaction volume change	ml	± 2

Additional Information

1. Visual appearance should be clear, bright and visually free from solid matter and undissolved water at ambient fuel temperature.
2. Conductivity additive may have been used to ensure electrical conductivity meets the specification limits.
3. Health, Safety and Environmental information is given on Material Safety Data Sheet.