

Gasoline, Aviation, Grades UL91 and 100LL

Product: AVGAS UL91 AVGAS 100LL	Applicable standards: DEF STAN 91-090 issue 5	Use: Aviation gasoline intended primarily for use in aircraft spark ignition reciprocating engines
--	---	--

Sales specification	Units	Limits	
		Grade UL91	Grade 100LL
Appearance		Undyed	Blue
Colour	Lovibond	-	Min 1.7 / Max 3.5
Tetraethyl Lead Content	gPb/l	Max 0.013	Min 0.28 / Max 0.56
Sulphur, total	% (m/m)	Max 00.05	Max 00.05
Existent Gum	mg/100ml	Max 3.0	Max 3.0
Density at 15°C	kg/m ³	report only	report only
Freezing Point	°C	Max minus 58.0	Max minus 58.0
Reid Vapour Pressure at 37.8 °C	kPa	Min 38.0 / Max 49.0	Min 38.0 / Max 49.0
Specific Energy	MJ/kg	43.50	43.50
Copper Strip	Class	Max 1	Max 1
Volume Change	ml	Max 2	Max 2
Electrical Conductivity	pS/m	50	600
Distillation			
Temperature at % of fuel evaporated			
10 vol %	°C	-	Max 75
40 vol %	°C	Min 75	-
50 vol %	°C	-	Max 105
90 vol %	°C	-	Max 135
Final Boiling Point	°C	-	Max 170
Residue	% (v/v)	Max 1.5	Max 1.5
Loss	% (v/v)	Max 1.5	Max 1.5
Knock Rating			
Lean Mixture Motor Method Octane Number		Min 91.0	Min 99.6
Research Octane Number		Min 95.0	-
Performance Number		Note 3	Min 130.0
Oxidation Stability, 16 Hours			
Potential Gum	mg/100ml		Max 6
Precipitate	mg/100ml		Max 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. If mutually agreed upon between the purchaser and supplier, a minimum 98 octane requirement as per test method IP119 may be specified.
4. Health, Safety and Environmental information is given on Material Safety Data Sheet

All Greenergy fuels are designed for optimum operating and emissions performance.
For further information phone 020 7404 7700.