

## LEBANESE SPECIFICATIONS OF PETROLEUM PRODUCTS

### UNLEADED GASOLINE 98 RON

PROPERTY	METHOD	LIMITS
Research Octane Number	ASTM D-2699	Min 98
Motor Octane Number	ASTM D-2700	Min 87
Lead, g/L	ASTM D-5059	Max 0.005
Benzene, % v/v	ASTM D-5580	Max. 5%
Methanol, % v/v	ASTM D-4815	Max 3%
Ethanol, % v/v	ASTM D-4815	Max 5%
Isopropyl Alcohol % v/v	ASTM D-4815	Max. 5%
Tertiary Butyl Alcohol % v/v	ASTM D-4815	Max. 7%
Ethers containing five or more °C atoms % v/v	ASTM D-4815	Max 10%
Other organic Oxygenates % v/v	ASTM D-4815	Max. 7%
Total Organic Oxygen % m/m	Calculated	Max. 2.5%
Sulfur % m/m	ASTM D-4294	Max. 0.05
Distillation at 760 mm Hg.evaporated At 70 °C, % v/v At 100 C, % v/v At 180 C, % v/v Final boiling point, °C Residue, % v/v	ASTM D-86	10 - 45 40 - 70 Min 85 Max. 215 Max. 2
Reid Vapor pressure at 37.8 °C, Kpa	ASTM D-4953	Summer Max. 65 Winter Max. 80
Volatility (10 VP + 7 evaporated 70)	Calculated	Summer Max. 965 Winter Max. 1115
Copper corrosion, (3 hrs @ 50 °C)	ASTM D-130	Max. 1
Existent gum, mg/100 ml	ASTM D-381	Max 5
Oxiation stability, minutes	ASTM D-525	Min. 360
Color	Visual	Orange
Density at 15 °C, Kg/m <sup>3</sup>	ASTM D-4052	Min 720