

LEBANESE SPECIFICATIONS OF PETROLEUM PRODUCTS

GASOLINE 98 RON

Test Method		PROPERTY		Requirements	
ASTM	EN				
ASTM D-2699	EN ISO 5164		Research Octane Number, RON	Min 98	
ASTM D-2700	EN ISO 5163		Motor Octane Number, MON	Min. 87	
Visual Inspection			Color	Orange	
ASTM D-3237 ASTM D-5059	EN 237		Lead, mg/L	Max 5.0	
ASTM D-1298 ASTM D-4052	EN ISO 3675 EN ISO 12185		Density at 15 °C, Kg/m ³	720.0-775.0	
ASTM D-5453 ASTM D-7039	EN ISO 20846 EN ISO 13032 EN ISO 20884		Sulfur content, (mg/kg)	Max. 10	
ASTM D-3831	EN 16135 EN 16136		Manganese content, (mg/l)	Max 2	
ASTM D-525	EN ISO 7536		Oxidation stability, (minute)	Min. 360	
ASTM D-381	EN ISO 6246		Existent gum, mg/100 ml	Max. 5	
ASTM D-130	EN ISO 2160		Copper corrosion, 3 hrs at 50 °C	No. 1	
ASTM D-1319 ASTM D-6839	EN 15553 EN ISO 22854	Hydrocarbon Type Content	-Olefins, % V/V	Max 18	
			-Aromatics, % V/V	Max ¹ 35	
ASTM D-4053 ASTM D-6277 ASTM D-3606 ASTM D-6839 ASTM D-4815 ASTM D-5580	EN 238 EN 12177 EN ISO 22854		Benzene Content (C ₆ H ₆), % V/V	Max 1	
ASTM D-4815 ASTM D-5599 ASTM D-6839	EN 13132 EN 1601 EN ISO 22854		Oxygen Content % m/m	Max 2.7	
ASTM D-4815 ASTM D-5599 ASTM D-6839	EN 13132 EN 1601 EN ISO 22854	Oxygenates Content % V/V	-Methanol ²	Max. 3	
			-Ethanol ³	Max. 5	
			-iso-propyl alcohol	Max 10	
			-iso-butyl alcohol	Max 10	
			-tert-butyl alcohol	Max 7	
			-ethers (5 or more C atoms)	Max15	
			-other oxygenates ⁴	Max 10	
ASTM D-5191 ASTM D-323	EN 13016-1		Vapour Pressure (VP) at 37.8 °C, kPa	Winter Min 50 Max 80	Summer Min 45 Max 65
ASTM D-86	EN ISO 3405	Distillation	At 70 °C, E70, % v/v	Min 22 Max 50	Min 20 Max 48
			At 100 °C, E100, % v/v	Min 46 Max 71	Min 46 Max 71
			At 150 °C, E150, % v/v	Min 75	Min 75
			Final boiling point, °C	Max 210	Max. 210
			Residue, % v/v	Max 2	Max 2
			Vapour lock index (VLI) (10VP + E70)	-	Max 1050

N.B:

Winter: 15st October - End March

Summer: 1st April - 14th October