



**SPECIFICATION FOR MOTOR SPIRIT
(MOGAS 95 RON)
(EXPORT)**

Sl.No.	TESTS	REQUIREMENT	TEST METHOD (Alternate methods)	TYPICAL ANALYSIS
1	Appearance	Clear and free from visible water sediment and suspended matter	Visual	Clear and free from visible water sediment and suspended matter
2	Benzene percent by Volume, Max	1	ASTM D 3606	0.95
3	Color	Orange	Visual	Orange
4	Copper strip corrosion, 3hrs at 50°C, Max	No.1	ASTM D 130	No.1
5	DISTILLATION:	-	IS 1448, P: 18/ ISO3405/ASTM D86	
	10% Evaporated, °C, Max	70	-	62
	40% Evaporated, °C, Max	100	-	96
	90% Evaporated, °C, Max	185	-	150
	Final Boiling Point (FBP) °C, Max	215	-	189
	Residue, Percent by volume, Max	2	-	1.0
6	Doctor test	Negative	ASTM D4952	Negative
7	Existent Gum, g/m ³ , Max	40	ASTM D 381	18
8	Induction period @ 100°C, minutes, Min	360	ASTM D 525	>360
9	Lead Content (as Pb) g/l, Max	0.003	ASTM D 3237	< 0.001
10	Research Octane Number (RON), Min	95	ASTM D 2699	95.4
11	Density at 15 °C, kg/L	0.710-0.785	ASTM D 1298	0.7660
12	Sulphur, total, percent m/m, Max	0.1	ASTM D 4294	<0.015
13	Reid Vapor pressure {RVP} @ 37.8°C kPa	47-75	ASTM D 323	47
14	Mercaptan Sulphur, percent, m/m, Max	0.0015	ASTM D3227	0.0005
15	Potential gum (2.5hrs at 100°C), mg/100ml, Max	4	ASTM D873	2