



**SPECIFICATION FOR LIQUIFIED PETROLEUM GAS
FOR
AUTOMOTIVE PURPOSE (IS 14861- 2000)**
(Reaffirmed in 2005)

Sl.No	PARAMETER	SPECIFICATION	STD.METHOD	Typical Quality
1	Vapour pressure at 40°C, kPa, gauge	520 Min 1050 Max.	ASTM D 1267/ ISO 4526	750
2	C5 Hydrocarbons and heavier, mole %, Max	2.0	ASTM D 2163	1.8
3	Dienes (as 1:3 Butadiene), mole% Max	0.5	ISO 7941	<0.1
4	Total Volatile Sulphur (After stenching) ppm, Max	150.0	ASTM D 3246	25
5	Copper strip Corrosion @ 40°C for 1 hour, Max	Class 1	ISO 6251 //	No1
6	Hydrogen Sulfide,	Pass the test	ISO 8819	Pass the test
7	Evaporation Residue mg/kg, Max	100	ISO 13757	20
8	Free water Content	Nil	ASTM E 700	Nil
9	Motor Octane Number (MON), Min	88	ISO 7941+ Annex A	93
10	Odour	Unpleasant and Distinctive down to 20 percent lower explosive limit (LEL)		Unpleasant and distinctive

Refer : IS 14861 : 2000 for further details.