



**SPECIFICATION FOR LIQUEFIED PETROLEUM GAS  
(Butane Mixture)  
(IS 4576 - 1999)  
(Reaffirmed in 2004)**

Sl.No	PARAMETER	SPECIFICATION	STD.METHOD	Typical Quality
1	Density@ 15°C, g / ml	Report	ASTM D 2598	0.5550
2	Vapour pressure at 40°C, KPa	1050 Max.	ASTM D 1267	700
3	Composition, Liquid mole %	-	ASTM D 2163	
	i. C2 Hydrocarbons (Ethane)	Report	-	4.0
	ii. C3 Hydrocarbons (Propane)	Report	-	22.0
	iii. C4 Hydrocarbons (Iso- Butane)	Report	-	25.00
	iv. C4 Hydrocarbons (n- Butane)	Report	-	48
	v. C5 Hydrocarbons & Heavier	2.5 Max	-	1.0
	vi. Unsaturated Hydrocarbons	Report	-	Report
OR		-	-	
4	Volatility evaporation temperature in °C for 95 % by Vol. at 760 mm Hg pressure	+2 Max.	ASTM D 1837	+2
5	Total Volatile Sulphur, ppm	150.0 Max.	ASTM D 2784	25
6	Copper Corrosion @ 38°C, for 1 hour,	Not worse than No. 1	ASTM D 1838	No 1
7	Hydrogen Sulfide, PPM	Pass	ASTM D 2420	Pass
8	Free water Content	No free entrained water	VISUAL	Nil

\* Refer IS 4576 : 1999 for further details.

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