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SPECIFICATION FOR LIQUEFIED PETROLEUM GAS

(Butane Mixture)

(IS 4576 – 1999)

(Reaffirmed in 2004)

Sl.No.	PARAMETER	SPECIFICATION	STD.METHOD	Typical Quality
1.	Density@ 15 ^o C, g/ ml	Report	ASTM D 2598	0.5550
2.	Vapour Pressure at 40 ^o C, K pa	1050 Max.	ASTM D 1267	700
3.	Composition, Liquid mole %	-	ASTM D 2163	
i.	C2 Hydrocarbons (Ethane)	Report	-	≥ 2.0
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 ^o 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

SPEC. FOR PR 1200017449.

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