



**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.
