

Liquefied Petroleum Gas Specifications

Liquefied Petroleum Gas Specifications for contractual period 1 November 2021 to 31 October 2022

Properties	Unit	Test Method	Requirement	Method of satisfaction of specification
Vapour Pressure, gauge@ 37.8 Deg.C	Kpa (G)	ASTM D-1267 Or ASTM D-2598	400 min 550 max.	Test report or calc from composition
Density @15 Deg. C	Kg/m3	ASTM D-1657 or ASTM D-2598	559 min	Test report or calc from composition
Total Sulphur (after steneded)	mg/kg	ASTM D-2784 or ASTM D-3246 or ASTM D-5453	135 max.	Test report
Corrosion, Copper Strip 1 hour at 37.8 deg C	-	ASTM D-1838	1 max.	Test report
Free Water	-	Visual Inspection	none	Test report
Odorant (Ethylmercaptan)	L/1000MT	*Smell Test or Draeger	26 min.	Test report
Olefin (required only from Complex refinery sources)	% mole	ASTM D-2163	35 max.	Test report or Calc from composition
C2 hydrocarbons C3 propane C4 butane C5 and higher hydrocarbons	% mole	ASTM D-2163	Report 15.0% – 25.0% Report 2.0% max	Test report
Residue Test	ml/100ml	ASTM D-2158	0.05 max.	Test report
Dienes content as 1,3 butadiene (req'd only from complex refinery sources)	% mole	ASTM D-2163	0.5 max.	Test report
MON	-	ASTM D-2598	90	Test report or Calc from composition
Temperature at 95 PCT Evap	Deg C	ASTM D1837	2.2 max	Test Report
H 2S	-	ASTM2420	Negative	Test Report

*** Odour should be distinctive, unpleasant and non-persistent at a dilution 1:250 with air.**

Sources shall control H2S and Fluorine to internal production limits.