



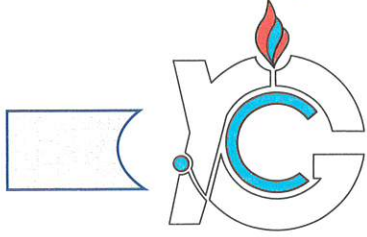
Yemen Gas Company specifications and quality requirements for imported LPG product

This specification cover the product commonly referred to as liquefied petroleum Gas . This specification is applicable to the LPG product for use as domestic , commercial , industrial , and engine fuels.

PROPANE	SEPCIFICATION	TEST METHOD
Methane content	10 ppmv max.	ASTM D2163
Ethane content	2.0 liq .vol.% max.	ASTM D2163
Propane content	95.0 liq. Vol % min.	ASTM D2163
Butane content	3.0 liq. Vol.% max.	ASTM D2163
Pentane content	15 ppmv max.	ASTM D2163
Olefins content	0.05 wt% max.	ASTM D2163
Vapour pressure	200 psig max @ 100° F	ASTM D2167
Specific gravity @ 60/60 ° F	0.510 max.	ASTM D2598
Corrosion (copper strip)	1a max.	ASTM D1838
Total sulfur	30 ppmw max.	ASTM D2784
Hydrogen sulfide content	Negative	ASTM D2420
Water content	None	ASTM E-700

BUTANE	SEPCIFICATION	TEST METHOD
Methane content	10 ppmv max.	ASTM D2163
Ethane content	10 ppmv max.	ASTM D2163
Propane content	2.0 liq. Vol% max.	ASTM D2163
Butane content	97.0 liq. Vol%. min.	ASTM D2163
Pentane content	2.0 liq. Vol.% max.	ASTM D2163
Olefins content	0.01 wt% max.	ASTM D2163
Vapovr pressure	70 psig max @ 100°F	ASTM D2167
Specific gravity @ 60/60F	0.585 max.	ASTM D2598
Corrosion (copper strip)	1a max.	ASTM D1838
Total sulfur	30 ppmw max.	ASTM D2784
Hydrogen sulfide content	Negative	ASTM D2420
Water content	None	ASTM E-700





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PROPANE-BUTANE MIXTURE	SEPCIFICATION	TEST METHOD
Ethane & lighter content	2.0 liq. Vol.% max.	ASTM D-1363
Propane content ,% vol.	35 liq. Vol.% max.	ASTM D-1363
Butane content ,% vol.	65 liq. Vol.% min.	ASTM D-1363
Pentane+ content ,% vol.	2.0 liq. Vol.% max.	ASTM D-1363
Vapovr pressure@37.8°(psig)	100 psig @ 100°F max.	ASTM D-1267
Corrosion (copper strip)	1a max.	ASTM D-1838
Total Sulfur	0.01 wt% max.	ASTM D-2784
Hydrogen Sulfide content	negative	ASTM D-2420
Water content	Free from entrained water	ASTM D-2713
Ethyl Mercaptan	35 ppm max.	ASTM D-302

Blending percentage of Propane and Butane in the LPG product	
Propane	20-35%
Butane	65-80%

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