

LNG SPECIFICATIONS :

Chemical Composition:

ELEMENT	WET	DRY
Methane	84.6%	96.0%
Ethane	6.4%	2.0%
Propane	5.3%	0.6%
Iso-Butane	1.2%	0.18%
N-Butane	1.4%	0.12%
Iso-Pentane	0.4%	0.14%
N-Pentane	0.2%	0.06%
Hexanes	0.4%	0.10%
Heptanes	0.1%	0.80%
Carbon Di-Oxide		0 ~ 5%
Helium		0 ~ 5%
Hydrogen Sulphide		4.8 mg/Nm ³ maximum
Total Sulphur		28.0 mg/Nm ³ maximum
Nitrogen		2 ~ 10%
Argon		0 ~ 0.1%

Specific Energy	Minimum 1050 Btu/SCF	Maximum 1150 Btu/SCF
	Minimum 9532 Kcal/Nm ³	Maximum 10,440 Kcal/Nm ³
Calorific Value	Minimum 36.4 MJ/m ³	Maximum 40.9 MJ/m ³

Chemical Symbol:	CH ₄
Molecular Weight:	16
Normal Boiling Point:	-161 oCelsius
Freezing Temperature:	-183 oCelsius
Critical Temperature:	-82 oCelsius
Critical Pressure:	47 bar absolute
Density of Saturated Liquid:	424 kg/m ³
Relative Gas Density:	0.56 kg/m ³
Latent Heat of Vaporization:	512.4 KJ/kg
Flame Temperature:	1880 oCelsius
Limiting Oxygen Index:	11.5% by volume

a) GROSS HEATING VALUE (VOLUME BASED):

MINIMUM: 1050Btu/SCF

MAXIMUM: 1170Btu/SCF

b) HYDROCARBON COMPOSITION AND NITROGEN CONTENT WITHIN THE FOLLOWING RANGE :

METHANE: 85.00 MOL % MINIMUM

BUTANES AND HEAVIER: 2.0 MOL % MAXIMUM

PENTANES AND HEAVIER: 0.10 MOL % MAXIMUM

NITROGEN: 1.00 MOL % MAXIMUM

c) IMPURITIES WITH THE FOLLOWING RANGE :

HYDROGEN SULPHIDE: 4.8MG/Nm³ MAXIMUM

TOTAL SULPHUR : 28.0MG/Nm³ MAXIMUM