

Component	Formula	Molar %
methane _____	CH ₄	90.507
ethane _____	C ₂ H ₆	5.027
propane _____	C ₃ H ₈	2.907
n-butane _____	C ₄ H ₁₀	0.854
isobutane [2-methylpropane] _____	C ₄ H ₁₀	0.5906
n-pentane _____	C ₅ H ₁₂	0.025
isopentane [2-methylbutane] _____	C ₅ H ₁₂	0.0521
n-hexane _____	C ₆ H ₁₄	
n-heptane _____	C ₇ H ₁₆	
ethylene [ethene] _____	C ₂ H ₄	
propylene [propene] _____	C ₃ H ₆	
1-butene [n-butylene] _____	C ₄ H ₈	
hydrogen sulfide [hydrogen sulphide]	H ₂ S	
nitrogen _____	N ₂	0.0373
oxygen _____	O ₂	
carbon dioxide _____	CO ₂	
LNG Lab Calc	Total, Molar %	100

Molar Mass	18.219
Ideal Gas Gross Calorific Value by volume, MJ/m ³ at 15/15°C	42.049
Ideal Gas Net Calorific Value by volume, MJ/m ³ at 15/15°C	38.002
Real Gas Gross Calorific Value by volume, MJ/m ³ at 15/15°C	42.259
Real Gas Net Calorific Value by volume, MJ/m ³ at 15/15°C	38.194
Ideal Gas Gross Calorific Value by molar, kJ/mol at 15°C	994.247
Ideal Gas Net Calorific Value by molar, kJ/mol at 15°C	898.54
Real Gas Gross Calorific Value by molar, kJ/mol at 15°C	994.247
Real Gas Gross Calorific Value by molar, kJ/mol at 15°C	898.54
Ideal Gas Gross Calorific Value by mass, MJ/kg at 15°C	54.572
Ideal Gas Net Calorific Value by mass, MJ/kg at 15°C	49.319
Real Gas Gross Calorific Value by mass, MJ/kg at 15°C	54.572
Real Gas Net Calorific Value by mass, MJ/kg at 15°C	49.319
Ideal Gas Wobbe Index, MJ/m ³ , at 15°C	53.019
Real Gas Wobbe Index, MJ/m ³ , at 15°C	53.101
Pressure, bar a	1.177
Temperature, °C	-159.2
Density, kg/m ³ , at -159.2°C, 1.177 bar a, Enhanced COSTALD	458.062
Density of real gas, kg/m ³ at 15°C, 101.325 kPa	0.77259