| Component | Formula | Molar % |
|---|---|---|
| methane | CH4 | 90 |
| ethane | C2H6 | 5 |
| propane | C3H8 | 4 |
| n-butane | C4H10 | 1 |
| isobutane [2-methylpropane] | C4H10 | |
| n-pentane | C5H12 | |
| isopentane [2-methylbutane] | C5H12 | |
| n-hexane | C6H14 | |
| n-heptane | C7H16 | |
| ethylene [ethene] | C2H4 | |
| propylene [propene] | C3H6 | |
| 1-butene [n-butylene] | C4H8 | |
| hydrogen sulfide [hydrogen sulphide] | H2S | |
| nitrogen | N2 | |
| oxygen | O2 | |
| carbon dioxide | CO2 | |
| **LNG Lab Calc** | **Total, Molar %** | **100** |

| | |
|---|---|
| Molar Mass _____ | 18.287 |
| Ideal Gas Gross Calorific Value by volume, MJ/m3 at 15/15°C | 42.213 |
| Ideal Gas Net Calorific Value by volume, MJ/m3 at 15/15°C | 38.154 |
| Real Gas Gross Calorific Value by volume, MJ/m3 at 15/15°C | 42.419 |
| Real Gas Net Calorific Value by volume, MJ/m3 at 15/15°C | 38.342 |
| Ideal Gas Gross Calorific Value by molar, kJ/mol at 15°C | 998.108 |
| Ideal Gas Net Calorific Value by molar, kJ/mol at 15°C | 902.139 |
| Real Gas Gross Calorific Value by molar, kJ/mol at 15°C | 998.108 |
| Real Gas Gross Calorific Value by molar, kJ/mol at 15°C | 902.139 |
| Ideal Gas Gross Calorific Value by mass, MJ/kg at 15°C | 54.58 |
| Ideal Gas Net Calorific Value by mass, MJ/kg at 15°C | 49.332 |
| Real Gas Gross Calorific Value by mass, MJ/kg at 15°C | 54.58 |
| Real Gas Net Calorific Value by mass, MJ/kg at 15°C | 49.332 |
| Ideal Gas Wobbe Index, MJ/m3, at 15°C | 53.128 |
| Real Gas Wobbe Index, MJ/m3, at 15°C | 53.212 |
| Pressure, bar a | |
| Temperature, °C | -159.2 |
| Density, kg/m3, at -159.2°C by COSTALD method | 459.082 |
| Density of real gas, kg/m3 at 15°C, 101.325 kPa | 0.77549 |