

LNG Parameters

Quality parameters of LNG delivered to the Terminal shall meet the criteria indicated in the table below:

Component	Light	Heavy
C1 (%mol)	95.4	87
C2 (%mol)	3.2	8,37
C3 (%mol)	0	3
iC4+nC4 (%mol)	0	1,2
nC5 (%mol)	0	0,23
N2 (%mol)	1,4	0,2

The quantity of LNG expressed in energy units (kWh) is established for reference conditions as per applicable ISO standard and [Transmission Network Code](#) (TNC), i.e.:

- volume of gas at 0°C (273.15 K)
- gross calorific value at the temperature 25°C (298.15 K)
- pressure equal to ambient pressure of 101.325 kPa

The content of other components in regasified LNG, such as hydrogen sulfide, total sulfur, mercaptan sulfur and mercury, must comply with the provisions of TNC.

The LNG Terminal Operator shall ensure that the Gaseous Fuel generated in the LNG regasification process meets the criteria set forth in the TNC, in particular:

- Gross Calorific Value ranging from 11.177 kWh/m³ (40.237 MJ/m³) to 12.618 kWh/ m³ (45.424 MJ/m³)

Conversion factors for recalculating the quantity of natural gas expressed in volumetric units (Nm³) and the quantity of liquefied natural gas (LNG) expressed in volumetric units (m³LNG) into gas quantity expressed in energy units (kWh) calculated as an arithmetic mean of the heat of combustion of light and heavy gas according to LNG quality parameters applicable at the LNG Terminal in winouj cie, assume the following values:

$$1.\text{kWh}/\text{Nm}^3 = 11,897$$

$$2.\text{MWh}/\text{m}_{\text{LNG}}^3 = 6,86$$