

NATURAL GAS  
QUALITY INDICATORS

Symbol	Description	Units	No less than	No more than	Remarks
GCV	Gross calorific value	kWh/m <sup>3</sup>	10,0	12,7	At reference conditions (25°C,20°C).
WI	Wobbe index	MJ/m <sup>3</sup>	45,0	55,0	At reference conditions (25°C,20°C).
D <sub>r</sub>	Relative density	-	0,50	0,72	
CH <sub>4</sub>	Methane	% mole	70,0		
CO <sub>2</sub>	Carbon dioxide	% mole		5,0	
N <sub>2</sub>	Nitrogen	% mole		10,0	
O <sub>2</sub>	Oxygen	% mole		0,2	
H <sub>2</sub> S	Hydrogen sulfide	mg/m <sup>3</sup>		6,5	
S + X <sub>n</sub> S <sub>m</sub>	Total sulfide	mg/m <sup>3</sup>		30,0	Up to 100 mg/m <sup>3</sup> allowed in exceptional cases allowed for a time period no more than 48 hours.
H <sub>2</sub> O DP	Water dew point	°C		-8,0	At a pressure of 39,2 barg.
C <sub>n</sub> H <sub>m</sub> DP	Hydrocarbon dew point	°C		0,0	At a pressure of 54 barg.

Remarks:

1. The conditions for metering natural gas quantities are pressure 1,01325 bara and temperature 20°C.
2. The terms for determining the Gross calorific value and the Wobbe index are 25°C and the conditions under item 1.