

**SPECIFIC REQUIREMENTS FOR LNG AT THE DELIVERY POINT OF THE
ZEEBRUGGE LNG TERMINAL**

	<u>Unit</u>	<u>Min</u>	<u>Max</u>
Methane	mol %	80.0	100
Nitrogen	mol %	0.0	1.2
Gross Heating Value	kWh/m ³ (n)	10.83	12.43
Wobbe Number	kWh/m ³ (n)	14.17	15.56
LNG density at atmospheric equilibrium pressure, i.e. 1013.25 mbar absolute	kg/m ³ LNG	425	480

Saturated vapour pressure at the Delivery Point

Shipper shall limit the saturated vapour pressure (SVP) of each LNG cargo, delivered at the Delivery Point, to 1,160 mbar (absolute pressure)

Specific limitations for trace components and impurities in LNG

	<u>Unit</u>	<u>Min</u>	<u>Max</u>
iC4	mol %	-	1.0
nC4	mol %	-	1.0
iC5	mol %	-	0.20
nC5	mol %	-	0.20
C6+:	mol %	-	0.10
H ₂ S + COS (as Sulfur)	mg/m ³ (n)	-	5
Total Sulfur (as Sulfur)	mg/m ³ (n)	-	22.4
Mercaptans (as Sulfur)	mg/m ³ (n)	-	6
Oxygen	ppm (vol)	-	10
CO ₂	ppm (vol)	-	100
CO	ppm (vol)	-	1

Hydrogen	ppm (vol)	-	1
H ₂ O	ppm (vol)	-	0,1
Mercury	nano g/m ³ (n)	-	50
Hydrocarbon dewpoint (cricondenthem)	C (1-70 bara)	-	Minus 20
Solids (no deposits on 32 mesh strainers)			

The delivered LNG shall not contain any fluid component (e.g. aromatics, C₆H₆, CO₂, CH₃OH, etc.) in a concentration higher than 50 % of the solubility limit in LNG of that particular fluid component in the operating pressure and operating temperature range of respectively 0 to 100 bar absolute and -162 to + 50 °C. C₆H₆ : max. 1 ppm, CH₃OH: max. 0.5 ppm.

The delivered LNG shall not contain any liquid or solid contaminants. The Natural Gas may not contain other elements and impurities (including but not limited to methanol, condensates, gas odorants) to the extent that such Natural Gas cannot be transported, stored and marketed without incurring additional cost for quality adjustment.