

LNG Quality Certificate

No.	Date
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LNG Tanker Loading Report	No.	date
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Lp.	Parameter	Designation	Unit	Value
1	methane	CH ₄	% mole	
2	ethane	C ₂ H ₆	% mole	
3	propane	C ₃ H ₈	% mole	
4	isobutane	i-C ₄ H ₁₀	% mole	
5	n-butane	n-C ₄ H ₁₀	% mole	
6	isopentane	i-C ₅ H ₁₂	% mole	
7	n-pentane	n-C ₅ H ₁₂	% mole	
8	neo-pentane	neo-C ₅ H ₁₂	% mole	
9	hexane +	C ₆ H ₁₄ +	% mole	
10	nitrogen	N ₂	% mole	
11	carbon dioxide	CO ₂	% mole	
12	gross calorific value	H _s	kWh/kg	
13	gross calorific value	H _s	kWh/Nm ³	
14	net calorific value	H _i	kWh/Nm ³	
15	methane number	MN	-	
16	gas density	d	kg/Nm ³	
17	LNG density	TK2011 AID-27	kg/m ³	
18	LNG temp.	TK2011 TI-27	°C	

Measurement/calculation methods used

Analysis of gas composition	Process Gas Chromatograph
Calculation of gross calorific value	ISO 6976
Calculation of methane number	AVL method
Reference conditions	Combustion process: t=25°C, p=101,325kPa Volume: t=0°C, p=101,325kPa LNG density, temp.: measurements in the tank supplying the LNG road tanker loading

LNG Quality Certificate issued by:

Name, surname:	Signature:
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