



SPECIFICATIONS OF LIQUEFIED NATURAL GAS

Components	MW	Boiling Temp		Freezing Temp		Gas Purity to LNG
		(°C)	(°F)	(°C)	(°F)	
Nitrogen	28.013	-195.80	-320.44	-209.90	-345.82	<1% (Note 1)
CO ₂	44.010	-78.50	-109.30	-56.60	-69.88	<50-100ppmv (Note 2)
H ₂ S	34.080	-85.55	-121.99	-60.35	-76.63	<4ppmv
Methane	16.043	-161.49	-258.68	-182.48	-296.46	
Ethane	30.070	-88.63	-127.53	-183.27	-297.89	
Propane	44.097	-42.07	-43.73	-187.69	-305.84	
i-Butane	58.124	-11.73	10.89	-159.60	-255.28	
n-Butane	58.124	-0.50	31.10	-138.35	-217.03	<2%
Neo-Pentane	72.151	9.50	49.11	-16.55	2.21	<5ppmv
i-Pentane	72.151	27.85	82.13	-159.90	-255.82	
n-Pentane	72.151	36.07	96.93	-129.72	-201.50	<0.1%
n-Hexane	86.178	68.74	155.73	-95.35	-139.63	<0.5%
Mycyclopentan	84.162	71.81	161.26	-142.46	-224.42	
Benzene	78.115	80.10	176.18	5.53	41.96	1-10ppmv (Note 2)
Cyclohexane	84.162	80.74	177.33	6.55	43.80	1-10ppmv (Note 2)
Mycyclohexane	98.190	100.93	213.68	-126.59	-195.87	
Toluene	92.141	110.63	231.13	-94.91	-138.84	
E-Benzene	106.169	136.19	277.13	-94.98	-138.96	
p-Xylene	106.169	138.85	281.93	13.26	55.87	
m-Xylene	106.169	139.10	282.39	-47.87	-54.17	
o-Xylene	106.169	144.41	291.94	-25.18	-13.33	
n-C ₇	100.206	98.43	209.17	-90.61	-131.10	
n-C ₈	114.233	125.67	258.20	-56.80	-70.23	
n-C ₉	128.260	150.79	303.42	-53.52	-64.33	
H ₂ O						<0.5ppmv
Mercury						<0.01microgram/Nm ³ <10Nanogram/Nm ³

Note: 1. Limited by product specifications for particular projects

Note: 2. Depends on overall composition