

The *European Association for the Streamlining of Energy Exchange – gas, EASEE-gas*, has proposed the gas quality specification as detailed in the table below for harmonisation across the European Union. The parameter units and reference conditions are in accordance with the *EASEE-gas Common Business Practice (CBP) 2003-001/01*. The energy unit is the kWh with a combustion reference temperature of 25 °C. The volume unit is m<sup>3</sup> at a reference condition of 0 °C and 101.325 kPa(a). For conversion to other reference conditions, the procedures described in ISO 13443:1996 *Natural Gas – Standard reference conditions* should be used. The parameters are defined in ISO 14532:2001 *Natural gas – Vocabulary*.

The specification applies only to high-calorific value (H-gas) gas without added odorants

Parameter	Description	Units	Minimum	Maximum	Recommended implementation date
WI	Gross (Superior) Wobbe Index	kWh/m <sup>3</sup>	13.60	15.81	01/10/2010
D	relative density	m <sup>3</sup> /m <sup>3</sup>	0.555	0.700	01/10/2010
S	Total sulphur	mg/m <sup>3</sup>	-	30	01/10/2006
H <sub>2</sub> S + COS	Hydrogen sulphide + carbonyl sulphide	mg/m <sup>3</sup>	-	5	01/10/2006
RSH	Mercaptans	mg/m <sup>3</sup>	-	6	01/10/2006
O <sub>2</sub>	Oxygen	mol %	-	0.01*	01/10/2010
CO <sub>2</sub>	Carbon dioxide	mol %	-	2.5	01/10/2006
H <sub>2</sub> O DP	Water dew point	°C at 7000 kPa(a)	-	-8	See note **
HC DP	Hydrocarbon dew point	°C at 1 - 7000 kPa (a)	-	-2	01/10/2006
<p>*EASEE gas have organised an oxygen measurement survey, which by end of 2005 will examine the maximum feasible limit equal to or at an alternative specified value below 0.01 mol%.</p> <p>**At certain cross border points, less stringent values are used than defined in this CBP. For these cross border points, these values can be maintained and the relevant producers, shippers and transporters should examine together how the CBP value can be met in the long run. At all other cross border points, this value can be adopted by 1<sup>st</sup> October 2006.</p>					

EASEE-gas specification for natural gas quality. The reference temperature for combustion is 25 °C.

The reference temperature and pressure for volume measurement are 0 °C and 101.325 kPa.