

Annex 5A Gas quality specifications (valid for deliveries from Romanian to Bulgaria, under reference conditions 25°C/0°C)

Chemical composition (in mol percent)

Methane (C ₁)	minimum	90
Ethane (C ₂)	maximum	7
Propane (C ₃)	maximum	3
Butane (C ₄)	maximum	2
Pentane (C ₅)	maximum	1
Hexane (C ₆ +)	maximum	0.2
Nitrogen (N ₂)	maximum	5
Carbon dioxide (CO ₂)	maximum	2
Oxygen (O ₂)	maximum	0.02

Sulphur content

Hydrogen sulphide (H ₂ S)	maximum	0.6 mg/m ³
Mercaptan sulphur (C ₂ H ₅ SH)	maximum	0.2 mg/m ³

Gross Calorific Value 25°C /0°C

Minimum	10,80 kWh/m ³
Maximum	11,42 kWh/m ³

Hydrocarbon dew point

No hydrocarbons shall condensate at a temperature of zero degrees Celsius (0°C) at an absolute value of the delivery pressure.

Water dew point

Not higher than minus 8 degrees Celsius (-8°C) at a pressure of 39.2 barg

Impurities

The content of mechanical impurities: absent

Annex 5B - Gas quality specifications (valid for deliveries from Bulgaria to Romania under reference conditions 25°C/0°C)

Chemical composition (in mol percent)

Methane (C ₁)	minimum	90
Ethane (C ₂)	maximum	7
Propane (C ₃)	maximum	3
Butane (C ₄)	maximum	2
Pentane (C ₅)	maximum	1
Hexane (C ₆ +)	maximum	0.2
Nitrogen (N ₂)	maximum	5
Carbon dioxide (CO ₂)	maximum	2
Oxygen (O ₂)	maximum	0.02

Sulphur content

Hydrogen sulphide (H ₂ S)	maximum	0.06 mg/m ³
Mercaptan sulphur (C ₂ H ₅ SH)	maximum	0.2 mg/m ³

Gross Calorific Value 25°C /0°C

Minimum	10,80 kWh/m ³
Maximum	11,42 kWh/m ³

Hydrocarbon dew point

No hydrocarbons shall condensate at a temperature of zero degrees Celsius (0°C) at an absolute value of the delivery pressure.

Water dew point

Not higher than minus 8 degrees Celsius (-8°C) at a pressure of 39.2 barg

Impurities

The content of mechanical impurities: absent