

# METHANE N45 / CH<sub>4</sub>



Air Liquide's Gas Encyclopedia - Pages: 273 - 303

## Applications

GC-MS and LC-MS (Chemical ionization)

## Transport information

### Compressed gases

Proper shipping name	Methane, compressed
UN-Nr	1971
ADR/RID	Class 2
	Classification code 1F



## Safety Data Sheets

Compressed gas : N° EIGA078A  
Access: <https://be.airliquide.com/>

## Physical information

Molecular weight	16 g/mol
Relative density:	
Relative density, gas	0.6 (air=1)
Colour	Colorless
Odor	Odorless
CAS number	74-82-8

## Properties

**Hazards identification:** Extremely flammable gas. Contains gas under pressure; may explode

**Flammability range:** 4.4 to 17 (% vol in the air)

**Personal protection:** Ensure adequate ventilation



## Cylinder equipment

### Valve fittings

Cylinder: B8 - W 21.8 x 1.814 left-hand, male

### Shoulder colour:

Red (RAL 3000)



**Product Specifications**

Global purity (% Vol. abs)  CH <sub>4</sub>	Impurities (ppm-mol)		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,995 %	H <sub>2</sub> O	≤ 5 ppm mol	Cylinder	10L	175 bar	2,2 m <sup>3</sup>	P0714S10R7A001
	O <sub>2</sub>	≤ 5 ppm mol	Cylinder	50L	175 bar	11,2 m <sup>3</sup>	P0714L50R7A001
	C <sub>2</sub> H <sub>6</sub>	≤ 15 ppm mol					
	CnHm other than C <sub>2</sub> H <sub>6</sub>	≤ 5 ppm mol					
	CO <sub>2</sub>	≤ 1 ppm mol					
	N <sub>2</sub>	≤ 15 ppm mol					
	H <sub>2</sub>	≤ 1 ppm mol					

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