

**BULETIN DE ANALIZA CROMATOGRAFICA NR. 564**

Data prelevare/ora: 01.11.2023 ora07:55 Punct de prelevare: **GOVORA(RAURENI)**  
Data analizarii: 07.11.2023 Cod/Zona calitate: GC021P1; SM0225D0 / 31  
Data emiterii: 24.11.2023 Client: **TRANSGAZ S.A. MEDIAS**  
Identificare proba: gaz natural uscat Presiunea gazului: 20.6 bar  
Temperatura gazului: 14 °C

**Rezultatele analizei cromatografice conform**

**SR EN ISO 6975:2005; SR EN ISO 6975:2005/C91:2015**

**Marimi calculate conform SR EN ISO 6976:2017**

Nr crt	COMPONENT	% vol.	% mol.	% mas.	g/m <sup>3</sup> N	Puterea calorifica calculata					
						superioara	inferioara	t <sub>1</sub> /t <sub>2</sub> (°C)			
1	metan	93.7461	93.6742	86.5011	672.2989	41242.16 9850.52	kJ/m <sup>3</sup> kcal/m <sup>3</sup>	37236.86 8893.87	kJ/m <sup>3</sup> kcal/m <sup>3</sup>	25/0 25/0	
2	etan	2.9458	2.9661	5.1338	39.9006	11.456 39117.26	kWh/m <sup>3</sup> kJ/m <sup>3</sup>	10.344 35286.02	kWh/m <sup>3</sup> kJ/m <sup>3</sup>	25/0 15/15	
3	propan	0.7963	0.8109	2.0583	15.9971	9343.00 10.866	kcal/m <sup>3</sup> kWh/m <sup>3</sup>	8427.92 9.802	kcal/m <sup>3</sup> kWh/m <sup>3</sup>	15/15 15/15	
4	iso-butan	0.2458	0.2558	0.8557	6.6502						
5	n-butan	0.2435	0.2535	0.8483	6.5929						
6	neo-pentan	0.0055	0.0058	0.0242	0.1878						
7	iso-pentan	0.1384	0.1472	0.6113	4.7510	0.77721 0.60107	kg/m <sup>3</sup> ----	0 0	53.196 14.777	MJ/m <sup>3</sup> KWh/m <sup>3</sup>	25/0 25/0
8	n-pentan	0.0513	0.0557	0.2313	1.7974	0.73641 0.60090	kg/m <sup>3</sup> ----	15 15	50.462 14.017	MJ/m <sup>3</sup> KWh/m <sup>3</sup>	15/15 15/15
9	n-hexan	0.0194	0.0217	0.1075	0.8355						
10	n-heptan	0.0063	0.0075	0.0434	0.3373						
11	n-octan	0.0009	0.0012	0.0079	0.0615						
12	n-nonan	0.0000	0.0000	0.0000	0.0000						
13	azot	1.0712	1.0684	1.7227	13.3894						
14	oxigen	0.0000	0.0000	0.0000	0.0000						
15	bioxid de carbon	0.7295	0.7320	1.8545	14.4131						
	<b>TOTAL</b>	<b>100.0000</b>	<b>100.0000</b>	<b>100.0000</b>	<b>777.2128</b>						

**Marimi calculate conform SR EN ISO 6976:2017**

Densitate	t <sub>2</sub> (°C)	Indice Wobbe	t <sub>1</sub> /t <sub>2</sub> (°C)
0.77721 kg/m <sup>3</sup>	0	53.196 MJ/m <sup>3</sup>	25/0
0.60107 ----	0	14.777 KWh/m <sup>3</sup>	25/0
0.73641 kg/m <sup>3</sup>	15	50.462 MJ/m <sup>3</sup>	15/15
0.60090 ----	15	14.017 KWh/m <sup>3</sup>	15/15

**Presiunea de referinta: 1,01325 bar**

Observatii
Calculule corespund conditiilor normale(0°C si 1,01325 bar) si conditiilor standard ( 15 °C si 1,01325 bar).
nC <sub>6</sub> , nC <sub>7</sub> , nC <sub>8</sub> , nC <sub>9</sub> includ si izomerii corespunzatori.
Prelevarea probei se face conf. SR EN ISO 10715/2022 si IL 08/2014.
Prelevarea gazului se face in butelii din otel inoxidabil cu capacitatea de 4 litri.
t <sub>1</sub> -temp.ref.ardere; t <sub>2</sub> -temp.ref.masurare
Proba a fost prelevata in prezenta beneficiarului.

Buletinul de analiza contine o singura pagina.

Fara aprobarea scrisa a laboratorului buletinul de analiza nu poate fi reprodus decat integral.

Analiza se refera strict la proba analizata.