

CERTIFICATE OF QUALITY No. 08/20004388

In pursuance of the order received from VIXON GAS SRL requesting us to execute the instructions summarised as:

SAMPLING AND ANALYSIS

of the cargo designated as:

PRODUCT DECLARED: LPG PROPANE (According to client declaration)
 VESSEL: GAZ CONCORD (Tank 1 + 2 middle point)
 PLACE OF INSPECTION: Galati/ Unicom Oil Terminal
 DATE OF SAMPLING: 23.11.2024

Sampling performed according to ASTM D1265-11
 The samples drawn was sent for analysis, in SGS Romania SA laboratory accredited ISO 17025:2018, with average results as follows:

No.	Characteristic	Obtained results	MU	Test method
1	Motor octane number, MON	95.4	-	SR EN 589+ A1:2022
2	Total dienes content	<0.10	%(m/m)	EN 27941:2000
3	1,3 Butadiene	<0.10	%(m/m)	DIN 51619:2004 SR 13594:2019
4	Compozition:			
	Methane	<0.10	%(m/m)	EN 27941:2000
	Ethane	<0.10	%(m/m)	
	Ethylene	<0.10	%(m/m)	
	Propane	98.68	%(m/m)	
	Propylene	<0.10	%(m/m)	
	i-Butane	0.63	%(m/m)	
	n-Butane	0.33	%(m/m)	
	1-Butene	<0.10	%(m/m)	
	Iso- Butene	<0.10	%(m/m)	
	trans-2-butene	<0.10	%(m/m)	
	cis-2-butene	<0.10	%(m/m)	
	i-pentane	<0.10	%(m/m)	
	n-pentane	<0.10	%(m/m)	
5	Hydrogen sulphide	Negativ	-	EN ISO 8819:2002
6	Total sulphur content(after odorization)	4.2	mg/kg	(I)ASTM D 6667:2014
7	Evaporation residue	<20.0	mg/kg	SR EN 15471:2008
8	Vapour presure, gauge, at 40 °C	1273	kPa	En iso 8973:2002 EN 589+Anex C:2019
9	Vapour presure, gauge, min.200 kPa at a temperature of: -for grade A -for grade B -for grade C -for grade D -for grade E	-10	°C °C °C °C	SR EN ISO 8973:2002 and SR EN 589 2018+A1:2022
10	Water content	Pass	-	(I)EN 15469:2008
11	Smell	Strong and unpleasent 20%LII	-	(I)EN 589pct 6.3+Anex A:2019

Remarks: Density at 15°C=0.5072 g/cm3 (in accordance with SR EN ISO 8973:2002), Molecular Mass = 44.122 kg/kmol.
 The results are attributable only to the sample tested and to the Test report no. 2106/25.11.2024. The samples were received in 2 metal container with SGS seal no: 4475395,4475396
 (*) - Analysis subcontracted
 (I) - Marked tests are NOT covered by RENAR accreditation.

Signed and dated in Romania
 25.11.2024

For and on behalf of SGS Romania SA
 Oil, Gas & Chemicals Division