

# LIQUEFIED PETROLEUM GAS<sup>1,3</sup>

## USE: FUEL FOR INDUSTRIAL USE

PROPERTY	MU	LIMITS		TEST METHOD
		Min.	Max.	
Composition:	% (m/m)			
C3 hydrocarbons (saturated and unsaturated)		To be reported		SR EN 27941:2000 <sup>2</sup>
C4 hydrocarbons (saturated and unsaturated)		To be reported		
C5 hydrocarbons (saturated and unsaturated)		-	1,0	
Odour		Particular and unpleasant		SR 66:2007 (pct. 7.1) / SR 13406-2014
Absolute vapour pressure				SR EN ISO 8973:2002 / SR EN ISO 8973:2002/A1:2020 (pct.6.3) <sup>2</sup>
- at 50°C	kPa	-	750	
- at 10		170	-	SR EN ISO 4256:2002
Total Sulphur (after stenching)	mg/Nm <sup>3</sup>	-	200	UOP 212-05
Lower calorific value				SR 66:2007 (pct. 7.2) <sup>2</sup>
H <sub>i</sub> <sup>0</sup> (t=0°C, p=101,325 kPa)	kJ/Nm <sup>3</sup>	112 860	-	
Density of vaporized pressure				
p <sub>g</sub> (t=0°C, p=101,325 kPa)	kg/m <sup>3</sup>	2,550	-	SR 66:2007 (pct. 7.3) <sup>2</sup>
Density of liquid product, at 15°C	kg/m <sup>3</sup>	To be reported		SR EN ISO 8973:2002/A1:2020/ SR EN ISO 8973:2002 <sup>2</sup> (pct. 6.2)
Water		nil		SR 66:2007 (pct. 7.4) <sup>2</sup>

**NOTES:** 1) A sufficient amount of ethylmercaptan is added to the product to provide a specific odor, permitting the detection of the possible leaks 2) Accredited test by RENAR 3) For every delivery, at client request, the product can be delivered unodorised.

**Quality control:** control is done on lot.

Each batch will have max. one wagon for delivery in railway tank wagons / auto tank wagons or max. 5,000 LPG bottles for delivery in LPG bottles. The lot will have product of same type.

During testing, the product must comply with all parameters depicted in standard specification for corresponding product / type. If not, the batch is rejected.

In case of litigation, quality control will be made on samples taken in accordance with sampling procedure and hold for this case.

**Sampling procedure:** according to ASTM D 1265-23 / SR EN ISO 4257:2002/ SR EN ISO 4257:2002/AC:2007

**Information on product classification, packing, labelling, handling, transport and storage:** according to Safety Data Sheet FDS - 1.4.1 T.

**The Integrated Management System** is certified according to the following standards:

- ISO 9001
- ISO 14001
- ISO 45001
- ISO 50001

The test lab is accredited by RENAR, in compliance with SR EN ISO/CEI 17025.

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