	COMPANY TECHNICAL SPECIFICATION	CTS 1 – 07
PROPAN - BUTAN LIQUEFIED PETROLEUM GAS (heavy)		

1. Technical requirements and test methods

№	Property	Unit	Value		Test Method
			min	max	
1.	Motor octane number, MON		89,0	-	БДС EN 589, Annex B
2.	Total sulphur content	mg/kg	-	50	БДС EN 24260 ASTM D 3246 ASTM D 6667
3.	Copper strip corrosion (1 h at 40°C)	rating	Class 1		БДС EN ISO 6251
4.	Vapour Pressure at 40 °C	kPa	-	1550	БДС EN ISO 8973 БДС EN 589 and Annex C
5.	Vapour Pressure at °C: ➤ minus 5 °C for grade B (winter) ➤ plus 10 °C for grade D (summer)	kPa	150 150	- -	БДС EN ISO 8973 БДС EN 589 and Annex C
6.	Density at 15 °C	kg/m ³	report		БДС EN ISO 8973
7.	Hydrogen sulphide*		negative		БДС EN ISO 8819
8.	Water content*		pass		БДС EN 15469
9.	Evaporation residue*	mg/kg	-	60	БДС EN 15470 БДС EN 15471
10.	Odour*		Unpleasant and distinctive at 20 % LFL		БДС EN 589, 6.3 and Annex A
11.	Hydrocarbon composition: ➤ $\sum C_2$ ➤ propane ➤ propene ➤ n-butane ➤ i-butane ➤ butenes ➤ 1,3 butadiene ➤ $\sum C_5$ ➤ Total dienes content (including 1,3 butadiene)	% (m/m)	report report report 50 - report report report report		БДС EN 27941
			-	0,5	


Notes:

* - The indices to be determined periodically, but not less than once per month.

БДС – Bulgarian standard;

Seasons: grade B - Winter - from 16 October to 15 April;

Revision 02	Validity from: 15.12.2021	Page 1 of 2
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	COMPANY TECHNICAL SPECIFICATION	CTS 1 – 07
LUKOIL Neftohim Burgas AD		
PROPAN - BUTAN LIQUEFIED PETROLEUM GAS (heavy)		

grade D - Summer - from 16 April to 15 October;

2. Product description

Colorless Liquefied Gas for industrial, everyday and utilities purposes.

3. Method for production and sampling

3.1 Blending of propane, propene, butane and butenes.

3.2 Sampling procedure corresponds to БДC ISO 4257.

- Batch is the quantity of one kind or brand product, with same qualitative indices, produced by the same technologies, stored in one or more tanks and accompanied by a test document.

4. Storage

In covered steel tanks, according to the regulations for liquefied and compressed gasses.

5. Transportation and documents

5.1 Tankers, tank lorry and rail tanks, observing the transport regulation of dangerous goods.

5.2 The product has UN № 1965 according to UNO (United Nations Organization).

5.3 Each shipment shall be accompanied by Quality Certificate of the test results according to point 1.

5.4 Product SDS (Safety Data Sheet) is submitted to the user prior or at the time of first delivery.

end

Revision 02	Validity from: 15.12.2021	Page 2 of 2
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