

 LUKOIL LUKOIL Neftohim Burgas AD	COMPANY TECHNICAL SPECIFICATION	CTS 2-02.01
		PROPYLENE (COMMODITY)

1. Technical requirements

№	Properties	Unit	Value		Test method
			min	max	
1.	Hydrocarbon composition				ASTM D 2712
	➤ propene (propylene)	% (m/m)	99,6	-	
	➤ propane	mg/kg	-	4000	
	➤ methane, ethane	mg/kg	-	1000	
	➤ ethylene	mg/kg	-	70	
	➤ methylacetylene	mg/kg	-	10	
	➤ propadiene	mg/kg	-	5	
	➤ alkadienes	mg/kg	-	60	
	➤ butane and butenes	mg/kg	-	140	
2.	Oxygen	% (V/V)	-	0,0005	ФМ* 2 - 01
3.	Carbon oxide	% (V/V)	-	0,0003	БДС 15238
4.	Carbon dioxide	% (V/V)	-	0,0005	БДС 15238
5.	Total sulfur	mg/kg	-	2,00	ASTM D 6667
6.	Water	% (V/V)	-	0,0005	ASTM D 5454
7.	Methanol	mg/kg	-	5	ASTM D 7423

Notes: * - Test method of „LUKOIL Neftohim Burgas” AD ; БДС – Bulgarin standard

2. Product description

Liquefied gas with boiling temperature of minus 47,7 °C and density as liquid 513 kg/m³.

Used as feedstock for organic synthesis and polymerization.

3. Method for production and sampling

3.1 Derived from Propane-propene cut originating from the FFC unit following further concentration.

Prior to the use of polymerization propene, absorption treatment is required to remove any micro-impurities, such as: arsines, phosphines, COS and the like.

3.2 Sampling is made by batches as per ISO 8563.

“A batch” is a quantity of product with identical quality parameters made using the same process and having the same test certificate.

4. Storage

Storage in tanks for liquefied gas.

5. Transportation and documents

5.1 Road and railroad tanks in compliance with the transportation regulations for liquefied gas.

5.2 The product has UN № 1077 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 Customer shall be provided with the product’s Safety Data Sheet (SDS) prior to/with the initial delivery.

End

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