

 "LUKOIL Neftohim Burgas" JSC	COMPANY TECHNICAL SPECIFICATION	CTS 1 – 80.02
VIRGIN NAPHTA - heavy		

1. Technical requirements and test methods


№	Properties	Unit	Value		Test Method
			min	max	
1.	Density at 15 °C	kg/m ³	-	732,0	ASTM D 1298 ASTM D 4052
2.	Distillation range	°C			ASTM D 86
	➤ IBP		30	-	
	➤ 5 % (V/V) recovered at temperature		report		
	➤ 10 % (V/V) recovered at temperature		-	75	
	➤ 50 % (V/V) recovered at temperature		-	125	
	➤ 90 % (V/V) recovered at temperature		-	170	
	➤ FBP		-	180	
3.	Difference in temperatures: (T ₉₀ – T ₅) *	°C	60	-	calculating
4.	RVP	kPa	-	85,00	ASTM D 323
5.	Seybolt colour	units	20	-	ASTM D 156
6.	Sulphur content	% (m/m)	-	0,0700	EN ISO 20846 ASTM D 5453
7.	Water soluble acids and alkali		none		ASTM D 1093
8.	Lead	ppb (weight)	-	50	AAS company method
9.	Aromatic hydrocarbons	% (m/m)	-	12,00	ASTM D 5134
10.	Paraffines	% (m/m)	65,00	-	ASTM D 5134
11.	Naphthenes	% (m/m)	12,00	40,00	ASTM D 5134
12.	Olefines	% (m/m)	-	1,00	ASTM D 5134
13.	Chlorine (organic)	ppm (weight)	-	5	UOP 779 UOP 588
14.	Copper strip corrosion (3 hrs at 40 °C)	klass	-	2	ASTM D 130
15.	Mercaptan Sulphur	% (m/m)	-	0,02	ASTM D 3227 UOP 163-10
16.	MTBE	ppm (v/v)	-	50	IP PM BG/91(mod) or ASTM D 7423(mod.)
		ppm (m/m)	-	54	

Note:

* - T₉₀ - the temperature at which distilled 90 % (V/V)

T₅ - the temperature at which distilled 5 % (V/V)

Revision 01	Validity by: 23. 04. 2015	Page 1 of 2
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2. Product description

Colourless transparent inflammable liquid.
 Feedstock for olefines production.

3. Method for production and sampling

- 3.1 Atmospheric distillation of crude oil.
- 3.2 Sampling procedure corresponds to BDS EN ISO 3170.

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 tanks.

5. Transportation and documents

- 5.1 Tankers, tank lorry and rail tanks, observing the transport regulation of fire hazardous materials.
- 5.2 The product has UN № 1268 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.

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