

**DIESEL FUEL**  
**(containing biodiesel-B6)**

**1. Technical requirements and test methods**


№	Properties	Unit	Value		Test Method
			min	max	
1.	Density at 15 °C	kg/m <sup>3</sup>	820,0	845,0	BDS EN ISO 3675 BDS EN ISO12185*
2.	Cetane number		51,0	-	BDS EN ISO 5165
3.	Cetane index		46,0	-	BDS EN ISO 4264
4.	Sulphur content	mg/kg	-	10,0	BDS EN ISO 20846 BDS EN ISO 20884
5.	Flash point	°C	above 55	-	BDS EN ISO 2719
6.	Carbon residue (on 10% distillation residue)	% (m/m)	-	0,30	BDS EN ISO 10370
7.	Ash content	% (m/m)	-	0,01	BDS EN ISO 6245
8.	Copper strip corrosion (3 h at 50°C)	class	1		BDS EN ISO 2160
9.	Viscosity at 40 °C	mm <sup>2</sup> /s	2,00	4,50	BDS EN ISO 3104
10.	Water content	mg/kg	-	200	BDS EN ISO 12937
11.	Total contamination	mg/kg	-	24	BDS EN 12662
12.	Oxidation stability	g/m <sup>3</sup> h	- 20	25 -	BDS EN ISO 12205 BDS EN 15751
13.	Lubricity, corrected wear scar diameter (wsd 1,4) at 60 °C	µm	-	460	BDS EN ISO 12156-1
14.	Polycyclic aromatic hydrocarbons	% (m/m)	-	8,0	BDS EN 12916
15.	Distillation range % recovered at 250 °C % recovered at 350 °C 95 % (V/V) recovered at	% (V/V) % (V/V) °C	- 85 -	<65 - 360	BDS EN ISO 3405
16.	CFPP summer (16.04 – 15.10) winter (16.10 – 15.04)	°C	- -	5 minus 15	BDS EN 116
17.	Fatty acid methyl esters (FAME)	% (V/V)	6,0 **	7,0	BDS EN 14078
18.	Specific combustion heat (lower) ***	MJ/kg	41,868	-	ASTM D 4868 ASTM D 240
19.	Manganese content	mg/l	-	2,0	BDS EN 16576

Notes:

- \* - The method is umpire;
- \*\* - At least 1 % (v/v) of FAME is a new generation biofuel
- \*\*\* - The test should be made by client request;
- BDS – Bulgarian standard

**2. Product description**

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 “LUKOIL Neftohim Burgas” AD	COMPANY TECHNICAL SPECIFICATION	CTS 1 – 32
<b>DIESEL FUEL</b> <b>(containing biodiesel-B6)</b>		

Highly flammable liquid. Fuel for automobile motors, adapted for work with diesel fuel.

*When the fuel is dispatched as brand „ECTO”, improving performance additives are added.*

### **3. Method for production and sampling**

3.1 Blending of gasoline fraction.

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**

Closed 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 № 1202 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**