 “LUKOIL Neftohim Burgas” AD	<b>COMPANY TECHNICAL SPECIFICATION</b>	<b>CTS 1–35</b>
<b>GASOIL 10 PPM ULSD DIESEL FUEL FOR EXPORT</b>		

### 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 ISO 12185*
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 20884 BDS EN ISO 20846
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 BDS ISO 6615
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+AC
10.	Water content	mg/kg	-	200	BDS EN ISO 12937
11.	Total impurities	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.	Lubrication ability , (wsd 1,4) at 60 °C	µm	-	460	BDS EN ISO 12156-1
14.	Polycyclic arenes	% (m/m)	-	8	BDS EN 12916
15.	Distillation range % distillation at 250 °C % distillation at 350 °C 95 % (V/V) distillation at	% (V/V) % (V/V) °C	- 85 -	<65 - 360	BDS EN ISO 3405
16.	Filtration temperature in cold filter, CFPP ➤ summer (16.03–30.09) ➤ winter (01.10–15.03)	°C	- -	plus 5 minus 15	BDS EN 116
17.	Cloud point ➤ winter (01.10–15.03)	°C	-	minus 5	BDS EN ISO 3015
18.	Electrical conductivity	Ps/m	150	-	ASTM D 2624

Notes: \* The method is umpire  
BDS - Bulgarian standard

### 2. Product description

Transparent, straw – yellow, highly flammable liquid with specific odour.  
Fuel for automobile motors, adapted for work with diesel fuel.

Revision 03	Validity from: January 27, 2020.	Page 1 of 2
-------------	----------------------------------	-------------

 “LUKOIL Neftohim Burgas” AD	<b>COMPANY TECHNICAL SPECIFICATION</b>	<b>CTS 1–35</b>
<b>GASOIL 10 PPM ULSD DIESEL FUEL FOR EXPORT</b>		

### 3. Method for production and sampling

3.1 The diesel fuels are produced by blending of distillate fractions from primary and secondary crude oil processing. Additives are acceptable.

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

The product storage is in closed fixed storage tanks, intended only for this specific product.

### 5. Transportation and documents

5.1 Pipelines, tankers, tank lorries and railway tanks, in compliance with the transport regulation of fire hazardous materials.

5.2 The product has UN № 1202 according to UNO (United Nations Organization).

5.3 Each lot shall be accompanied with Test Certificate or 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**