	COMPANY TECHNICAL SPECIFICATION	CTS 1-83
AUTOMOTIVE FUEL. UNLEADED PETROL FOR EXPORT (RON 92)-WAF		

1. Technical requirements and test methods

Table 1


№	Properties	Unit	Value		Test Method
			min	max	
1.	Appearance		report		Visual
2.	Color and odor		report		Visual / Olfactory
3.	Water Content		Clear and free of particulate matter and water		Visual
4.	Research octan number, RON		92,0	-	БДС EN ISO 5164 ASTM D 2699
5.	Density (at 15°C)	kg/m ³	720,0	780,0	БДС EN ISO 12185 ASTM D 4052
6.	Vapour pressure (VP)	Psi	-	9,0	БДС EN 13016-1 ASTM D 5191
7.	Distillation range				БДС EN ISO 3405 ASTM D 86
	➤ Initial boiling point	°C	report		
	➤ 10 % evaporated at	°C	-	70,0	
	➤ 50 % evaporated at	°C	-	125,0	
	➤ 90 % evaporated at	°C	-	180,0	
	➤ Final Boiling Point (FBP)	°C	-	210,0	
	➤ Distillation residue	% (v/v)	-	2,0	
8.	Lead content	mg/l	-	< 2,5 (1)	БДС EN 237 ВЛМИ 01-12 *
9.	Total sulfur content	mg/kg	-	500	БДС EN ISO 20846 ASTM D 5453
10.	Oxidation stability	minutes	360	-	БДС EN ISO 7536 ASTM D 525
11.	Existent gum content (solvent washed)	mg/100ml	-	4	БДС EN ISO 6246 ASTM D 381
12.	Copper strip corrosion (3 h at 50 °C)	rating	report		БДС EN ISO 2160 ASTM D 130
13.	Ethanol	% (v/v)	-	< 0,17 (2)	БДС EN 13132 или ASTM D 6839
			-	< 0,80 (3)	
14.	Benzene	% (v/v)	-	2,0	БДС EN 12177 БДС EN ISO 22854 ** ASTM D 6839

Notes:

БДС - Bulgarian national standard

* - Validated method;

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(1) - Low detection limit of БДС EN 237 and ВЛММ 01-12;

(2) - Low detection limit of БДС EN 13132;

(3) - Low detection limit of ASTM D 6839;

** - The method is umpire

2. Product description

Highly flammable liquid with specific odour. Fuel for gasoline combustion engines.

3. Method for production and sampling

3.1 Blending of gasoline fraction. Additives are admissible.

3.2 Sampling procedure corresponds to БДС EN ISO 3170.

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

4. Storage

4.1. Closed tanks.

4.2 Only dedicated tanks, pipelines, tank cars, etc. shall be used for unleaded gasoline. No mixing with leaded gasoline is allowed.

5. Transportation and documents

5.1 Tankers, observing the transport regulation of fire hazardous materials.

5.2 The product has UN № 1203 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

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