

Inspection report no: PBZ-0050124E from: 28.10.2018

The product: Gasoline Standard 95 / Gasoline 95
 Produced by OMV Petrom SA - member OMV Grup in Petrobrazi refinery.
 Lot: Tank TK01
 Order: 1711 from: 28.10.2018
 Sample from: 28.10.2018 hour: 09:50 sampling according to: EN ISO 3170
 Complies with: SF 36, edition 10 on November 2017

Crt. no.	Property	Unit	Value		Test method
			accepted	measured	
1	Density at 15°C	Kg/m ³	720 - 775	761.5	EN ISO 12185
2	Research Octane Number, RON		min. 95	98.3	EN ISO 5164
3	Motor Octane number, MON		min. 85	85.2	EN ISO 5163
4	Lead content	mg/l	max. 5	<2.5	EN 237
5	Benzene content	% (v/v)	max. 1	0.51	EN 22854
6	Sulphur content	mg/kg	max. 10	8.0	EN ISO 20884
7	Manganese content	mg/l	max. 2	<2.0	EN 16135
8	Existent gum content (solvent washed)	mg/100 ml	max. 5	2.5	EN ISO 6246
9	Appearance		Clear and bright	Clear and bright	Visual inspection
10	Cooper strip corrosion (3 hours at 50 °C)	rating	class 1	1b	EN ISO 2160
11	Oxidation stability	minutes	min. 360	>600	EN ISO 7536
12	Distillation:				
	evaporated at 70 °C (E 70)	°C			
	summer		20-48		
	winter		22-50		
	transition		20-50	29.5	
	Evaporated at 100 °C (E 100)	°C	46-71	46.5	EN ISO 3405
	Evaporated at 150 °C (E 150)	°C	min. 75	78.8	
	final boiling point	°C	max. 210	208.9	
	distillation residue	%(v/v)	max. 2.0	1.0	
13	Vapour pressure, VP	KPa			
	summer		45-60		EN 13016-1
	winter		60-90		
	transition		45-90	73.7	
14	Volatility index				
	VLI = 10xVP + 7x E 70				
	-summer				calculated
	-winter				
	-transition				
15	Hydrocarbon types content		max. 1150	943.5	
	olefins	%(v/v)			EN ISO 22854
	aromatics	%(v/v)	max. 18	15.9	
16	Oxygen content	%(wt/w)	max. 35	33.5	
			max. 2.7	2.57	EN ISO 22854
17	Oxygenates content	%(v/v)			
	-methanol				EN ISO 22854
	-ethanol		max. 1.0	0.44	
	-iso-propyl alcohol		max. 5	2.91	
	-iso-butyl alcohol			<0.01	
	-tert butyl alcohol			<0.01	
	-ethers (5 or more C atoms)			0.02	
	-other oxygenates			8.14	
	-Biofuel content (%v/v bio)			0.02	
	To be reported		4.85		%v/v bio = %v/v bio Etanol + 0.47x %v/v bio ETBE

Additional information for the issuance of the invoice:

- density at the sample temperature t °C, kg/m³ 761.5
- sample temperature, t °C 15.0
- density at 15 °C corrected to air, kg/m³ 760.4

Head of Quality Control Department Petrobrazi / delegated responsible

Name: Mihaela Dragnea signature *[Signature]*

stamp

OMV Petrom S.A.

PETROBRAZI

CONTROLUL CALITATII

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