

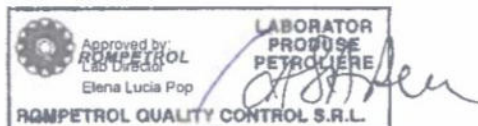
Testing report no:45722; date:07/11/2024 11:42:37

Customer: ROMPETROL RAFINARE SA
Sample: GASOLINE SM EN 228
Receiving date: 07/11/2024 11:15:00
Completion date: 07/11/2024
Sampling method: ASTM D 4057-2022*
Tanks: B87/6.11.2024/20.45-LPP79091 FOR BARGE GILLA
Sampled by: RQC-UTI
Contract/Order: Contract RR nr. 5/ 07.01.2019/ PI- rev.7 RRC.P&E
Ship: BARGE GILLA/LPP79282
Sample tested: 5 L
Customer address: Navodari,B-dul Navodari nr. 215, Pavilion Administrativ,Constanta

No.	Property	Test Method	UM	Required value	Determined value	Uncertainty ³⁾
1	Ethyl Tert Butyl Eter	EN ISO 22854:2021(procedura A)	% (v/v)	-	<0.03	-
2	Metyl Tert Butyl Eter	EN ISO 22854:2021(procedura A)	% (v/v)	-	9.86	-
3	Tert Amil Methyl Ether	EN ISO 22854:2021(procedura A)	% (v/v)	-	<0.03	-
4	Density At 15°C	EN ISO 12185:1996	kg/m³	min. 720 max. 775	735.5	-
5	Research Octane Number	EN ISO 5164:14		min. 95	96.0	-
6	Motor Octane Number	EN ISO 5163:14		min. 85	85.0	-
7	Lead Content	EN 237:04	mg/l	max. 5	<2.5	-
8	Benzene	EN ISO 22854:2021(procedura A)	% (v/v)	max. 1	0.69	-
9	Aromatics	EN ISO 22854:2021(procedura A)	% (v/v)	max. 35	28.0	-
10	Olefins	EN ISO 22854:2021(procedura A)	% (v/v)	max. 18	15.4	-
11	Oxygen Content	EN ISO 22854:2021(procedura A)	% (m/m)	max. 2.7	1.85	-
12	Methanol	EN ISO 22854:2021(procedura A)	% (v/v)	max. 3	<0.03	-
13	Ethanol	EN ISO 22854:2021(procedura A)	% (v/v)	max. 5	<0.03	-
14	Iso Propyl Alcohol	EN ISO 22854:2021(procedura A)	% (v/v)	max. 10	<0.03	-
15	Iso Butyl Alcohol	EN ISO 22854:2021(procedura A)	% (v/v)	max. 10	<0.03	-
16	Tert Butyl Alcohol	EN ISO 22854:2021(procedura A)	% (v/v)	max. 7	<0.03	-
17	Ethers (5 Or More C Atoms)	EN ISO 22854:2021(procedura A)	% (v/v)	max. 15	9.86	-
18	Other Oxygenates	EN ISO 22854:2021(procedura A)	% (v/v)	max. 10	<0.03	-
19	Evaporated At 100°C	EN ISO 3405:19	% (v/v)	min. 46 max. 71	60.4	-
20	Evaporated At 150°C	EN ISO 3405:19	% (v/v)	min. 75	88.7	-
21	Final Boiling Point	EN ISO 3405:19	°C	max. 210	195.2	-
22	Residue Of Distillation	EN ISO 3405:19	% (v/v)	max. 2	0.9	-
23	Sulfur Content	EN ISO 20846:19	mg/kg	max. 10	<3	-
24	Oxidation Stability	EN ISO 7536:96	minutes	min. 360	>900	-
25	Corrosion, Copper Strip (3H At 50°C)	EN ISO 2160:98	evaluation	class1	1b	-
26	Existent Gums (After Solvents Wash)	EN ISO 6246:2017,EN ISO 6246:2017/A1:2019	mg/100ml	max. 5	1.0	-
27	Appearance	Visual inspection*		clear and bright	clear and bright	-
28	Vapour Pressure	EN 13016-1:18	kPa	min. 45 max. 90	86.2	-
29	Volatility Index Transition	Calculation*		max. 1150	1145	-
30	Procente Evaporate La 70°C, Tranzitie	ISO 3405:19	% (v/v)	min. 22 max. 50	40.4	-

Amendment: not applicable

Remarks:



- The Rompetrol Quality Control SRL laboratory is accredited by RENAR for testing activity in compliance with SR EN ISO/IEC 17025:2018 as specified in the accreditation certificate no. LI 333. The tests covered by the accreditation are available at www.renar.ro
- *** The marked tests are not covered by the RENAR accreditation.
- Expanded uncertainty of 95% confidence level with coverage factor k=2
- The testing report cannot be partially reproduced without explicit written approval of the testing laboratory.
- The testing results refer to the tested sample and not the entire lot.
- The observations contained in this report are not covered by the Renar accreditation

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