

The quality criteria of RON92 E5 petrol are specified in Table 1.

<u>Test</u>	<u>Units</u>	<u>Specification</u>	<u>Method</u>
Research Octane Number	-	92 Min	ASTM D2699
Lead Content	g / L	0.013 Max	ASTM D3237
Initial Boiling Point	°C	Report	ASTM D86
10% Evaporated	°C	70 Max	ASTM D86
50% Evaporated	°C	120 Max	ASTM D86
90% Evaporated	°C	190 Max	ASTM D86
Final Boiling Point	°C	215 Max	ASTM D86
Residue	Vol %	2 Max	ASTM D86
Copper Corrosion @ 50 °C for 3 hrs	-	1 Max	ASTM D130
Existent Gum	mg / 100 ml	5 Max	ASTM D381
Induction Period	min	480 Min	ASTM D525
Sulphur	mg / kg	50 Max	ASTM D5453
Vapour Pressure @ 37.8°C	kPa	43 - 75	ASTM D5191
Benzene	Vol %	2.5 Max	ASTM D5580
Aromatics	Vol %	40 Max	ASTM D1319
Olefins	Vol %	38 Max	ASTM D1319
Oxygen Content	wt %	3.7 Max	ASTM D4815
Ethanol content	Vol %	4 – 5 Max	ASTMD4815
Density @ 15 °C	kg / L	Report	ASTM D4052
Total Metal (Fe+Mn)	mg / L	5 Max	ASTM D3831
Water/Appearance	-	Not detected/Clear, bright and no impurities	ASTM D4176

Additives

Gasoline E5 RON92 containing oxygenate compounds as additives, the content of oxygenate compounds are specified in table 2

Table 2- Oxygenated compounds

<u>Test</u>	<u>Units</u>	<u>Specification</u>	<u>Method</u>
Iso-propyl alcohol	Vol %	10 Max	ASTM D4815
Iso-butyl alcohol	Vol %	10 Max	ASTM D4815
Tert-butyl alcohol	Vol %	7 Max	ASTM D4815
Ete (C5 atom)Boiling temperature ≤ 210 °C.	Vol %	15 Max	ASTM D4815
MTBE only	Vol %	10 Max	ASTM D4815
Methanol	Vol %	Not detected	ASTM D4815
Ketone	Vol %	Not detected	ASTM D4815
Ester	Vol %	Not detected	ASTM D4815

Oxygenate compounds may be used in a single form or in a mixture with a volume within the specified limits and the total oxygen content in accordance with the provisions of the norm of No. 12 of Table 1.