



**UNLEADED GASOLINE 95 OCTANE  
PRODUCT SPECIFICATION**

PROPERTY	UNITS	GUARANTEE	LIMITS	TEST METHOD
Appearance		Clear and Bright		Visual
Corrosion (3 hours at 50 °C)	Degree	No. 1	Max.	EN ISO 2160
Density at 15 °C	kg/m <sup>3</sup>	720-775		EN ISO 3675 TS EN ISO 12185
Distillation				EN ISO 3405
Evaporated at 70°C	% (V/V)			
Summer Grade (a)		20-48		
Winter Grade (b)		22-50		
Evaporated at 100°C	% (V/V)	46-71		
Evaporated at 150°C	% (V/V)	75	Min.	
End Point	°C	210	Max.	
Residue	% (V/V)	2	Max.	
Gum, existent (Washed)	mg/100 mL	5	Max.	EN ISO 6246
Oxidation Stability	Minutes	360	Min.	EN ISO 7536
Research Octane Number, RON (c)		95,0	Min.	EN ISO 5164
Motor Octane Number, MON (c)		85,0	Min.	EN ISO 5163
Lead Content	mg/L	5	Max.	TS EN 237
Sulphur Content	mg/kg	10	Max.	EN ISO 13032 EN ISO 20846 EN ISO 20884
Manganese Content	mg/L	2,0	Max.	EN 16135 EN 16136
Vapor Pressure (VP)	kPa			TS EN 13016-1(d)
Summer Grade (a) *		45-60		
Winter Grade (b)		60-90		
Vapor Lock Index (VLI)**				
Transition Period for Summer and Winter Grade	Index	1150	Max.	
Benzene content	% (V/V)	1,0	Max.	EN 238 EN 12177 EN ISO 22854
Olefins Aromatics	% (V/V)	18,0 35,0	Max.	EN ISO 22854 EN 15553
Oxygen Content	% (m/m)	2,7	Max.	TS 11413 EN 1601 TS EN 13132 TS EN 22854
Isopropyl alcohol Isobutyl alcohol Tert-butyl alcohol Ethers Other Oxygenates	% (V/V)	Blending amount of oxygen content is limited to be %2,7 (m/m) maximum.		EN 1601 EN 13132 EN ISO 22854
Methanol	% (V/V)	3,0	Max.	EN 1601 EN 13132 EN ISO 22854
Ethanol	% (V/V)	5,0	Max.	EN 1601 EN 13132 EN ISO 22854

\* Only valid for ethanol added Unleaded Gasoline, Summer Period RVP limit value is increased according to the ethanol content with respect to below table.



Ethanol Content of Gasoline (% V/V)

Incremental value for vapor pressure, kPa

0	0
1	3,7
2	6,0
3	7,2
4	7,8
5	8,0
6	8,0
7	7,9
8	7,9
9	7,8
10	7,8

**Not:** The permitted vapour pressure waiver for intermediate ethanol content between the values listed in table shall be determined by a straight line interpolation between the ethanol content immediately above and that immediately below the intermediate value determined by the methods indicated in table.

\*\*  $VLI = 10 \times VP + 7 \times (E70)$

(a) April 1<sup>st</sup> – October 31<sup>st</sup> ( $\pm 4$  weeks).

(b) Out of summer period.

(c) To report the test result, correction factor of 0,2 is reduced from the actual result, as noted in TS EN 228.

(d) Dry Vapor Pressure Equivalent (DVPE) should be reported.