

PRODUCT SPECIFICATION  
UNLEADED MOTOR GASOLINE (PETROL)

Property	Test Unit	Guarantee	Limit
Appearance <sup>a</sup>		Clear and Bright	
Corrosion, Copper Strip (3h at 50°C)	Degree	1	
Density at 15°C	kg/m <sup>3</sup>	720.0-775.0	
Distillation	% (V/V)		
Evaporated at 70°C			
Summer grade <sup>b</sup>		20.0-48.0	
Winter grade <sup>c</sup>		22.0-50.0	
Evaporated at 100°C			
Summer grade <sup>b</sup>		46.0-71.0	
Winter grade <sup>c</sup>		46.0-71.0	
Evaporated at 150°C		75.0	Min
End Point	°C	210	Max
Residue	% (V/V)	2.0	Max
Gum, Existent (Washed)	mg/100 ml	5.0	Max
Oxidation Stability	minutes	360	Min
Octane Number <sup>d</sup>	RON	95.0	Min
Octane Number <sup>d</sup>	MON	85.0	Min
Lead content	mg/L	5.0	Max
Sulfur content	mg/kg	10.0	Max
Manganese content	mg/L	2.0	Max
Vapor Pressure (DVPE)	kPa		
Summer grade <sup>b, e</sup>		45.0-60.0	
Winter grade <sup>c</sup>		60.0-90.0	
VLI (Vapor Lock Index) <sup>f</sup>	Index	1150	Max
Transition period for Summer and Winter grade			
Hydrocarbon content types	%(V/V)		
Olefins		18.0	Max
Aromatics		35.0	Max
Benzene content	%(V/V)	1.00	Max
Oxygen content	%(m/m)	2.70	Max
Oxygenates content	%(V/V)		Max Max Blending amount of the oxygen content is limited to be 2.70 wt%
Methanol		3.00	
Ethanol		5.00	
Iso-propyl alcohol			
Iso-butyl alcohol			
Tert-butyl alcohol			
Ethers			
Other oxygenates			

Ethanol Content of Gasoline (%vol)	Incremental value for Vapor Pressure, kPa
0	0
1.0	3.7
2.0	6.0
3.0	7.2
4.0	7.8
5.0	8.0