

Title : Specification for Automotive Gasoline 90¹

S.N	Characteristics		Test Method	Control Limits
1	Appearance	-	Visual inspection	C & B ¹
2	Color	-	Visual inspection	Pink
3	Dry Vapor Pressure @ 37.8°C	Kpa	ASTM D5191	45.0-70.0
4	Density @ 15 °C	Kg/m ³	ASTM D4052	720.0 – 775.0
5	Distillation Characteristics:		ASTM D86	
5.1	Distillate evaporated @70 °C	Volume %		20.0-48.0
5.2	Distillate evaporated @100 °C	Volume %		46.0-71.0
5.3	Distillate evaporated @150 °C	Volume %		Min. 75.0
5.4	Final Boiling Point	°C		Max. 210
5.5	Residue	Volume %		Max. 2
6	Sulfur Content	Mg/kg	ASTM D4294	Max. 500.0
7	Corrosion Copper (3 hr @ 50 °C)	Rating	ASTM D130	Class 1
8	Oxidation Stability	Minutes	ASTM D525	Min. 360
9	Existent Gum	mg/100 ml	ASTM D381	Max. 5
10	Octane number (RON)	-	ASTM D2699	Min. 90.0
11	Lead Content	mg / L	ASTM D3237	Max. 5
12	Hydrocarbons Type Content		ASTM D6839	
12.1	Olefins	Volume %		Max. 18.0
12.2	Aromatics	Volume %		Max. 35.0
13	Oxygen content	Volume %	ASTM D6839	Max. 2.70
14	Benzene Content	Volume %	ASTM D6839	Max. 1.00
15	Oxygenate Content		ASTM D6839	
15.1	Methanol	Volume %		Max. 3.0
15.2	Ethanol	Volume %		Max. 5.0
15.3	Iso-propyl alcohol	Volume %		Max. 10.0
15.4	Iso-butyl alcohol	Volume %		Max. 10.0
15.5	Tert-butyl alcohol	Volume %		Max. 7.0
15.6	Ethers (5 or more C atoms)	Volume %		Max. 15.0
15.7	Other oxygenates	Volume %		Max. 10.0
16	Manganese Content	mg/l	ASTM D3831	Max. 18.0

¹ This specification is based on Jordanian Technical Regulation for Automotive Gasoline # JS 164/2008, except total sulfur.

² Clear, bright and visually free from solid matter and undissolved water at ambient fuel temperature

Title : Specification for Automotive Gasoline 95¹

S.N	Characteristics		Test Method	Control Limits
1	Appearance	-	Visual inspection	C & B ¹
2	Color	-	Visual inspection	Colorless
3	Dry Vapor Pressure @ 37.8°C	Kpa	ASTM D5191	45.0-70.0
4	Density @ 15 °C	Kg/m ³	ASTM D4052	720.0 – 775.0
5	Distillation Characteristics:		ASTM D86	
5.1	Distillate evaporated @70 °C	Volume %		20.0-48.0
5.2	Distillate evaporated @100 °C	Volume %		46.0-71.0
5.3	Distillate evaporated @150 °C	Volume %		Min. 75.0
5.4	Final Boiling Point	°C		Max. 210
5.5	Residue	Volume %		Max. 2
6	Sulfur Content	Mg/kg	ASTM D5453	Max. 50.0
7	Corrosion Copper (3 hr @ 50 °C)	Rating	ASTM D130	Class 1
8	Oxidation Stability	Minutes	ASTM D525	Min. 360
9	Existent Gum	mg/100 ml	ASTM D381	Max. 5
10	Octane number (RON)	-	ASTM D2699	Min. 95.0
11	Lead Content	mg / L	ASTM D3237	Max. 5
12	Hydrocarbons Type Content		ASTM D6839	
12.1	Olefins	Volume %		Max. 18.0
12.2	Aromatics	Volume %		Max. 35.0
13	Oxygen content	Volume %	ASTM D6839	Max. 2.70
14	Benzene Content	Volume %	ASTM D6839	Max. 1.00
15	Oxygenate Content		ASTM D6839	
15.1	Methanol	Volume %		Max. 3.0
15.2	Ethanol	Volume %		Max. 5.0
15.3	Iso-propyl alcohol	Volume %		Max. 10.0
15.4	Iso-butyl alcohol	Volume %		Max. 10.0
15.5	Tert-butyl alcohol	Volume %		Max. 7.0
15.6	Ethers (5 or more C atoms)	Volume %		Max. 15.0
15.7	Other oxygenates	Volume %		Max. 10.0
16	Manganese Content	mg/l	ASTM D3831	0.0

¹ This specification is based on Jordanian Technical Regulation for Automotive Gasoline # JS 164/2008.² Clear, bright and visually free from solid matter and undissolved water at ambient fuel temperature