

Specifications for unleaded motor gasoline AI-95-Euro

Property	STB 1656-2011		Limits	
	Unit	Test Method	min	max
Research octane number, RON	—	STB ISO 5164-2008	95,0	—
Motor octane number, MON	—	STB ISO 5163-2008	85,0	—
Lead content	mg/l	STB EN 237-2005	—	5,0
Density (at 15 °C)	kg/m ³	STB ISO 3675-2003	720,0	775,0
Sulfur content	mg/kg	STB ISO 20846-2005	—	10,0
Oxidation stability	min	STB ISO 7536-2005	360	—
Gum content (solvent washed)	mg/100 ml	STB ISO 6246-2005	—	5
Copper strip corrosion	Class	STB ISO 2160-2003	Class 1	
(3h at 50 °C)				
Appearance	—	Visual control	Transparent and clean	
Hydrocarbon type content:	%	STB 1539-2005	—	18,0
- olefins		(ASTM D 1319)	—	35,0
- aromatics				
Benzene content	%	STB EN 12177-2005	—	1,00
Oxygen content	%	STB EN 13132-2006	—	2,7
Oxygenates content:	%	STB EN 13132-2006	—	1,0
- methanol			—	5,0
- ethanol			—	10,0
- iso-propyl alcohol			—	10,0
- iso-butyl alcohol			—	7,0
- tert-butyl alcohol			—	15,0
- ethers (5 or more C atoms)			—	10,0
- other oxygenates				
Vapour pressure (VP):	kPa	STB EN 13016-1-2011	45,0	60,0
class A			45,0	70,0
class B			50,0	80,0
classes C and C1			60,0	90,0
classes D and D1				
% evaporated at 70 °C (E70):	% V/V	STB ISO 3405-2003	20,0	48,0

classes A and B		22,0	50,0
classes C, C1, D, D1			
% evaporated at 100 °C (E100)	% V/V	46,0	71,0
% evaporated at 150 °C (E150)	% V/V	75,0	—
Final Boiling Point (FBP)	°C	—	210
Distillation residue	% V/V	—	2
Vapor lock index, max * (VLI)	index	—	
(VLI = 10 VP + 7 E70):			
- class C1		—	1050
- class D1		—	1150