

# Gasoline 92 Unlead

AI-92-K5-Euro

QUALITY SPECIFICATIONS			
PROPERTY	LIMITS by TR TS 013/20111	LIMITS by STB 1656-2011	TEST METHOD
Research Octane Number (RON)	min 80	min 92,0	STB ISO 5164-2008
Motor Octane Number (MON)	min 76	min 83,0	STB ISO 5163-2008
Lead content, mg/l	max 5	max 5	STB EN 237-2005
Density at 15°C, kg/m <sup>3</sup>	-	720,0 - 775,0	STB ISO 12185-2007
Sulphur content, mg/kg	max 10	max 10	STB ISO 20846-2005
Oxidation stability, min.	-	min 360	STB ISO 7536-2005
Gum content (solved washed), mg/100 ml	-	max 5,0	STB ISO 6246-2005
Copper Strip Corrosion, (3 hrs at 50°C), grade	-	grade 1	STB ISO 2160-2003
Appearance	-	transparent and clean	visual control
Hydrocarbon type content, %:			STB ISO 1539-2005
olefins	max 18	max 18	
aromatics	max 35	max 35	
Oxygen content, %	max 2,7	max 2,7	STB EN 13132-2006
Benzene content, %	max 1	max 1	STB ISO 22854-2011
Oxygenates content, %			STB EN 13132-2006
methanol	max 1	max 1	
ethanol	max 5	max 5	
iso-propyl alcohol	max 10	max 10	
iso-butyl alcohol	max 10	max 10	
tert-butyl alcohol	max 7	max 7	
ethers ( 5 or more C atoms)	max 15	max 15	
other oxygenates	max 10	max 10	
Vapour pressure (VP), kPa	35 - 100	60,0 - 90,0	STB EN 13016-1-2011
Distillation:			STB ISO 3405-2003
evaporated at 70°C (E70), % (V/V)	-	22,0 - 50,0	
evaporated at 100°C (E100), % (V/V)	-	46,0 - 71,0	
evaporated at 150°C (E150), % (V/V)	-	min 75	
Final Boiling Point (FBP), °C	-	not above 210	
Distillation residue, % (V/V)	-	max 2	
Concentration of ferrum, mg/l	absence	absence	GOST R 52030-2003
Concentration of manganese, mg/l	absence	absence	GOST R 51925-2002
Monomethylaniline content, % (vol.)	absence	absence	GOST R 54323-2011