

# Gasoline 92

AI-92-K3

QUALITY SPECIFICATIONS		
PROPERTY	LIMITS by TNLA	TEST METHOD
Research Octane Number (RON)	min 92,0	STB ISO 5164-2008
Motor Octane Number (MON)	min 83,0	GOST 511-82
Density at 15°C , kg/m <sup>3</sup>	720,0 - 775,0	STB ISO 12185-2007
Distillation: Limits of distillation, °C: 10% of gasoline 50% of gasoline 90% of gasoline Final Boiling Point (FBP), °C Distillation residue, % (V/V) Distillation residue and losses, % (V/V)	 max 75 max 120 max 190 max 215 max 1,5 max 4,0	STB ISO 3405-2003
Vapour pressure (VP), kPa (in summer)	35 - 80	STB 1425-2003
Lead content, mg/dm <sup>3</sup>	max 5,0	STB EN 237-2005
Acid content, mg KOH/100 cm <sup>3</sup>	max 3,0	GOST 5985-79 with p.4,3 of TU BY 400091131.006-2009
Sulphur, Mercaptan, % mass	max 0,001	GOST 17323-71
Oxidation stability, min.	min 600	STB ISO 7536-2005
Existent Gum, mg/100 cm <sup>3</sup>	max 5,0	GOST 1567-97
Sulphur content, mg/kg	max 150	STB ISO 20846-2005
Copper Strip Corrosion, (3 hrs at 50°C), grade	grade 1	STB 1816-2007
Watersoluble acids and alkalies content	absence	GOST 6307-75
Mechanical impurities content and water	absence	p.4,3 of TU BY 400091131.006-2009
Colour	colorless or light yellow	p.4,3 of TU BY 400091131.006-2009
Benzene content, %	max 1,0	STB ISO 22854-2011
Hydrocarbon type content, %: olefins aromatics	 max 18,0 max 42,0	STB ISO 22854-2011
Oxygen content, %	max 2,7	STB EN 13132-2006
Oxygenates content, % methanol ethanol iso-propyl alcohol iso-butyl alcohol tert-butyl alcohol ethers ( 5 or more C atoms) other oxygenates	 absence max 5,0 max 10,0 max 10,0 max 7,0 max 15,0 max 10,0	STB EN 13132-2006
Concentration of ferrum, mg/l	absence	GOST R 52030-2003
Concentration of manganese, mg/l	absence	GOST R 51925-2002
Monomethylaniline content, % (vol.)	absence	GOST R 54323-2011