

OJSC Mozyr Refinery  
Passport No 556  
Gasoline unleaded AI-92-K5-Euro  
Specification STB 1656-2011

Production date 14.05.2017

#	Description	Method of testing	Limit value Under STB 1656-2011	Actual value
1	Density at 15 ° C, kg/m <sup>3</sup> , max	STB ISO 3675	720,0 – 775,0	747,0
2	Research Octane Number, min Motor Octane Number, min	STB ISO 5164 STB ISO 5163	Min 92,0 Min 83,0	92,4 83,8
3	Lead concentration, mg/dm <sup>3</sup> , max	STB EH 237	Max 5,0	Abs.
4	Volume fraction of evaporated gasoline at 70 ° C (E70), % (V/V) For classes A and B For classes C, C1, D, D1, E, E1, F, F1 Volume fraction of evaporated gasoline at 100 ° C (E100), % (V/V) Volume fraction of evaporated gasoline at 150 ° C (E150), % (V/V)  Final boiling point, ° C Residue in a flask,% (V/V)	STB ISO 3405	20-48 22-50  46-71  min. 75  max. 210 max. 2	25,6   49,1  81,5  208 1,0
5	Reid Vapor Pressure , kPa, RVP For class A For class B For classes C and C1 For classes D and D1 For classes E and E1 For classes F and F1	STB EN 13016-1	45-60 45-70 50-80 60-90 65-95 70-100	53,70
6	Existent gum, mg per 100 sm <sup>3</sup> of gasoline, max	STB ISO 6246	5	1,0
7	Oxidation stability, minutes, min	STB ISO 7536	360	More than 360
8	Sulfur mass fraction, mg/kg max	STB ISO 20846	Max 10	7,2
9	Copper test (3 hours at 50 ° C)	STB ISO 2160	Class 1	Class 1
10	Volume ratio of benzene, %, max	STB EH 12177	Max 1,0	0,62
11	Volume ratio of hydrocarbons, %, max: olefins aromatic	STB EH 22854	Max 18 Max 35	8,9 33,6
12	Oxygen mass fraction, %, max	STB EH 22854	Max 2,7	0,55
13	Volume fraction of oxygenates, %, max: - methanol - ethanol - isopropyl alcohol - isobutyl alcohol - tret- butyl alcohol - ethers (five and more atoms of carbon) - other oxygenates	STB ISO 22854	1,00 5,00 10,00 10,00 7,00 15,00 10,00	Abs 0,00 0,00 0,00 0,00 3,57 0,00
14	Existent gum (flushed out by resolvent), mg/100 ml	STB ISO 6246	Max 5	1
15	Appearance	Visual control	Transparent and Clean	Transparent and Clean
16	Ferrum concentration, mg/l	GOST 32514	Abs	Abs
17	Manganese concentration, mg/l	GOST P 51925	Abs	Abs
18	Volume fraction of toluidine,%	GOST P 54323	Abs	Abs