

QUALITY CERTIFICATE

AVIATION FUELS (Marks RT or JET A-1)

No	Parametres	Norm
1	Density at 20°C, kg/m ³ , min	775
2	Fraction composition	135-155
	a) margin of the beginning of the pushing temperature, 0 C, not more than	
	b) pushing at 10 %, 0 C, not more than	175
	c) pushing at 50 %, 0 C, not more than	225
	d) pushing at 90 %, 0 C, not more than	270
	e) pushing at 98 %, 0 C, not more than	280
3	Kinematics viscosity, mm ² /s, at 40°C, not more than	1,250
	at minus 40°C, not more than	16,000
4	The lowest specific energy, MJ/kg, not less than	43120
5	Smoke point, mm, not less than	25
6	Total acidity, mg KOH/1g oil, not less than	0,20-0,70
7	Number of iodine, g iodine/100 g fuel, 0 C, not more than	0,50
8	Flash point in closed cup, 0 C, not less than	28
9	Beginning of temperature of freezing, 0 C, not higher than	-50
10	Thermal stability in drums at 150, 0 C, not higher than:	6,0
	a) concentration of the deposit, mg/100 cm ³ fuel	
	b) soluble pitch, mg/100 cm ³ fuel	30,0
	c) insoluble pitch, mg/100 cm ³ fuel	3,00
11	Aromatic hydrocarbon proportion, %, not more than	22,0
12	Concentration of factual pitch, mg/100 cm ³ fuel, not more than	4,0
13	Sulfur content, %, not more than	0,10
14	Content of mercaptan sulfur, %, not more than	0,0010
15	Content of hydrogen sulphide	traces
16	Testing on copper strip, 3h at 1000 C	Standing the test
17	Ash-content, %, not more than	0,003
18	Content of soluble acid alkaline	traces
19	Quantity of mechanical impurities	traces
20	Content of naphthalene hydrocarbon, %, not more than	1,50
21	Number of luminometric, not less than	50,00
22	Thermo acid stability according to dynamics method at 15-180 0C:	10
	a) pressure resliding in the filter through the 5h, kPa, not higher than	
	b) suspension for heat-exchanger in score, not more than	2
23	Contact with the water, in score, not more than:	1
	a) The state of separation surface	
	b) Content of separate stage	1
24	Consist of impurities, %:	0,003-0,004
	a) Alidol — 1, range	
	b) Distillated naftanic acid, not less than	0,001