Jet fuel, prime grade

GOST 10227-86

QUALITY SPECIFICATIONS			
PROPERTY	**LIMITS by TR TS_013/2011**	**LIMITS by GOST_10227-86**	**TEST METHOD**
Density at 15°C, kg/m3	-	min 775	GOST 3900-85
Distillation			GOST 2177-99
Initial Boiling point, °C	-	135 - 155	
10 % vol. recovered at, °C	max 175	max 175	
50 % vol. recovered at, °C	-	max 225	
90 % vol. recovered at, °C	max 270	max 270	
98 % vol. recovered at, °C	max 280	max 280	
Residue, % vol.	max 1,5	max 1,5	
Loss, % vol.	max 1,5	max 1,5	
Kinematic Viscosity, mm2/s:			GOST 33-2000
at 20°C	-	min 1,25	
at minus 20°C	max 8	max 8	
at minus 40°C	max 16	-	
Net heating value, MJ/kg	-	min 43120	GOST 11065-90 and GOST 10227-86 p.48
Smoke Point, mm	min 25	min 25	GOST 4338-91
Total Acid Number, mg KOH/100 cm3 fuel	-	max 0,7	GOST 5985-79 and GOST 10227-86 p.4,2
Iodine value, g iodine/100 g fuel	-	max 0,5	GOST 2070-82
Flash Point, closed cup, °C	min 28	min 28	GOST 6356-75
Chilling Point, °C	not above -50	not above -55	GOST 5066-91 method B
Thermal oxidation stability at 150°C:			GOST 11802-88
sediment concentration, mg/100cm3	-	max 6	
soluble gum concentration, mg/100cm3	-	max 30	
insoluble gum concentration, mg/100cm3	-	max 3	
Aromatic hydrocarbons volume, %	max 20	max 20	STB 1539-2005
Existent gum concentration, mg/100cm3	max 4	max 4	GOST 1567-97
Sulphur, Total, % mass	max 0,1	max 0,1	STB 1420-2003
Sulphur, Mercaptan, % mass	max 0,003	0,001	GOST 17323-71
Hydrogen disulfide, % mass	-	absence	GOST 17323-71
Copper strip test at 100°C during 3 hrs.	-	pass test	GOST 6321-92 and GOST 10227-86 p.4,4
Ash content, %	-	max 0,003	GOST 1451-75
Watersoluble acids and alkalies content	-	absence	GOST 6307-75 and GOST 10227-86 p.4,9
Mechanical impurity and water content	absence	absence	GOST 10227-86 p.4,5
Naphthalene hydrocarbons content, %	-	max 1,5	GOST 17749-72
Luminimetric number	-	min 50	GOST 17750-72
Compatibility with water, points:			GOST 27154-86

state of interfacial area	-	max 1	
state of separated phases	-	max 1	
Electrical Conductivity without antistatic additive at 20°C, µS/m	max 10	max 10	STB 1587-2010
Thermal oxidation capacity at 275°C:			STB 1665-2012
differential pressure of filter, mm of mercury	max 25	max 25	
color of tube deposit rating, points	max 3	max 3	
Additives content, %:			
Agidol-1	-		
Hitec 580	-		