

JET A-1 SPECIFICATION, GOST 110410

PROPERTY	UNITS	LIMITS	METHOD
Visual appearance		Clear, bright and visually free from solid matter and undissolved water	
Color		report	ASTM D6045
Particulate, at point of manufacture	mg/l	Max 1,0	ASTM D 5452
Particulate, at point of manufacture cumulative channel particle counts	ISO Code		
≥4pm(c)		report	IP 564
≥6pm(c)		report	IP 564
≥14pm(c)		report	IP 564
≥21pm(c)		report	IP 564
≥25pm(c)		report	IP 564
≥30pm(c)		report	IP 564
Total Acidity	mg KOH/g	Max 0,012	ASTM D 3242
Aromatics	% v/v	Max 25,0	ASTM D 1319
Sulfur ,Total	%m/m	Max 0,270	ASTM D 5453
Sulfur , Mercaptan	%m/m	Max 0,0028	ASTM D 3227
Hydroprocessed components	% v/v	report	
Severely Hydroprocessed components	% v/v	report	
Distillation:			
Initial boiling point	°C	report	ASTM D 86
10% Recovery	°C	Max 205,0	ASTM D 86
50% Recovery	°C	report	ASTM D 86
90% Recovery	°C	report	ASTM D 86
End point	°C	Max 300,0	ASTM D 86
Residue	% v/v	Max 1,5	ASTM D 86
Loss	% v/v	Max 1,5	ASTM D 86
Flash point	°C	Min 38,0	ASTM D 56
Density at 20°C	kg/m ³	Min 770,0 Max 845,0	ASTM D 4052
Freezing point	°C	Max minus -47,0	ASTM D 2386
Viscosity at 20°C	mm ₂ /s	Max 8,000	ASTM D 445
Smoke point	mm	Min 25,0	ASTM D 1322
Specific energy	MJ/kg	Min 42,80	D 4808
Copper Strip	Class	Max 1	ASTM D 130
Thermal Stability, JFTOT			
Test temperature	°C	Min 260,0	ASTM D 3241
Tube rating visual		Less than 3,0 No Peacock(P) or Abnormal (A)	ASTM D 3241
Pressure Differential	mm Hg	Max 25	ASTM D 3241
Existent Gum	mg/100 ml	Max 7	IP 540
MSEP without SDA	rating	Min 85	ASTM D 3948
MSEP with SDA	rating	Min 70	ASTM D 3948
Electrical Conductivity	pS/m	Min 50 Max 600	ASTM D 2624
Wear Scar Diameter	mm	Max 0,85	ASTM D 5001
Antioxidant RDE/A/609	mg/l	17-24	Calc

Statistic Dissipater Additive,Stadis 450 RDE/A/621	mg/l	Max 3,0	Calc
Metal Deactivator Additive	mg/l	report	Calc
Lubricity Improver Additive	mg/l	report	Calc
Fuel system icing inhibitor	mg/l	report	Calc