

ANNEX A - PRODUCT SPECIFICATIONS JET A1

COMPONENT	UNIT	Min/Max	Test Methods ASTM / IP / GOST
COMPOSITION			
Appearance		C&B (1)	Visual
Colour, Saybolt		Report (2)	D156, D6045
Acidity, Total	mg KOH/g	Max. 0.10	D3242, IP 354
Aromatics	vol %	Max. 25.0	D1319, IP 156, GOST R 52063
Sulphur, Total	wt %	Max. 0.25,	D1266
Sulphur, Mercaptan	wt %	Max. 0.0030 (3)	D3227, IP 342, GOST R 52030
OR Doctor Test		Negative (3)	D4952, IP 30
VOLATILITY			
Distillation Temperature:			D86, IP 123
10% Recovery	°C	Max. 205.0	
50% Recovery	°C	Report	
90% Recovery	°C	Report	
Final BP	°C	Max. 300.0	
Distillation Residue	vol %	Max. 1.5	
Distillation Loss	vol %	Max. 1.5	
Flash Point	°C	Min. 38.0	D56 (4), D3828, IP170
Density @ 15°C	kg/m3	775.0 - 840.0	D1298, D4052, IP 160, IP 365, GOST R 51069
FLUIDITY			
Freezing Point Viscosity @ 20°C (cSt)	°C	Max. -47.0 (5) Max. 8	D2386, D5972, D 7153, IP 16
COMBUSTION			
Net Heat of Combustion	MJ/kg	Min. 42.80 (6)	D3338, D4529, D4809
Smoke Point	mm	Min. 25	D1322, IP 57
OR Smoke Point	mm	Min. 19	D1322, IP57
AND Naphthalenes	vol %	Max. 3	D1840
CORROSION Copper Strip (2h @ 100°C)		Max. No.1	D130, IP 154