

SPECIFICATIONS OF AVIATION FUEL JET A1

TEST	UNITS	SPECIFICATIONS D1655 DEGREE C (F)	METHOD
Saybolt Color	Number	Report	D156
Total Acid, Max.	mgKOH/g	0.10	D3242
Aromatic Content, Max.	vol %	25	D1319
Naphthalenes, Max.	vol %	3	D1840
Mercaptan Sulfur, Max.	wt. %	0.003	D3227
Total Sulfur, Max.	wt. %	0.30	D4294
Initial Boiling Point	Celsius	Report	D86
10% Recovery Point, Max.	Celsius	205 (401)	D86
20% Recovery Point	Celsius	Report	D86
50% Recovery Point	Celsius	Report	D86
90% Recovery Point	Celsius	Report	D86
Final Boiling Point, Max.	Celsius	300 (572)	D86
Residual, Max.	vol %	1.5	D86
Loss, Max.	vol %	1.5	D86
Flash Point, Min.	Celsius	38.0 (100)	D56
Viscosity @-20C, Max.	cSt	8.0	D445
Gravity	API	37 - 51	D4052
Density @15 C,	kg/m3	775 - 840	D4052
Freeze Point, Max.	Celsius	-45.5(-50) Jet A	D5972
Freeze Point, Max.	Celsius	-47 (-53) Jet A - 1	D5972
Heat Content, Min.	Btu/lb	18,400	D3338
Net Heat of Combustion, Min	MJ/kg	42.8	D3338
Smoke Point, Min.	mm	18.00	D1322
Copper Corrosion, Max.	Code	1	D130
Stability, P, Max. @ 260C	mm HG	25	D3241
Preheat Code, Max.	Code	<3	D3241
Existent Gum, Max.	mg/100ml	7	IP540
Water Separation	MSEP	85	D3948