

**SPECIFICATION:**

COMPOSITION		Jet A Kerosine	Jet A-1 Kerosine	Test Method ASTM	Test Method IP
Appearance		C & B (1)	C & B (1)		
Acidity, Total (mg KOH/g)	Max.	0.10	0.015	D3242	354
Aromatics (vol %)	Max.	25	25.0	D1319	156
or Total Aromatics (vol %)	Max.	---	26.5		436
Sulphur, Total (wt %)	Max.	0.30	0.30	D1266, D1552,	107, 243, 336,
Sulphur, Mercaptan (wt %)	Max.	0.003	0.0030	D3227	342
or Doctor Test		Negative	Negative	D4952	30
H/P Components (vol%)		---	Report		
Severely H/P Components (vol%) (2)		---	Report		
VOLATILITY					
Distillation Temperature:				D86	123
Initial BP (°C)		---	Report		
10% Recovery (°C)	Max.	205	205.0		
50% Recovery (°C)	Max.	Report	Report		
90% Recovery (°C)	Max.	Report	Report		
Final BP (°C)	Max.	300	300.0		
Distillation Residue (vol %)	Max.	1.5	1.5		
Distillation Loss (vol %)	Max.	1.5	1.5		
Flash Point (°C)	Min.	38 (3)	38.0	D56, D3828	170, 303
Density @ 15°C (kg/m3)		775-840	775.0-840.0	D1298, D4052	160, 365
FLUIDITY					
Freezing Point (°C)	Max.	-40	-47.0	D2386, D5972	16
Viscosity @ -20°C (cSt)	Max.	8.0	8.000	D445	71
COMBUSTION					
Net Heat of Comb. (MJ/kg)	Min.	42.8	42.80	D3338, D4529, D4809	12, 381, 355
Smoke Point (mm)	Min.	25	25.0	D1322	57
or Smoke Point (mm)	Min.	18	19.0	D1322	57
and Naphthalenes (vol %)	Max.	3.0	3.00	D1840	
CORROSION					
Copper Strip (2h @ 100°C)	Max.	1	1	D130	154
THERMAL STABILITY					
JFTOT P @ 260 °C(mm Hg)	Max.	25	25	D3241	323
Tube Deposit Rating (Visual)	Max.	<3 (4)	<3 (4)		
CONTAMINANTS (5)					
Existent Gum (mg/100 mL)	Max.	7	7	D381	131
Water Reaction Interface	Max.	1b	1b	D1094	289
MSEP Rating (6)				D3948	
Fuel without SDA	Min.	---	85		
Fuel with SDA	Min.	---	70		
OTHER					
Conductivity				D2624	274
At Point of Use	Max.	450			
At Time and Temp of			50-450		
Custody Transfer					
BOCLE wear scar diameter (mm)	Max.	---	0.85	D5001	
ADDITIVES					
Anti-icing (vol %)		Agreement	Agreement		
Antioxidant		Option	Option (7)		
Corrosion Inhibitor		Agreement	Agreement		
Metal Deactivator		Option	Option		
Static Dissipator		Option	Mandatory		