



Product Specification Sheet

Jet A / Jet A-1 Aviation Fuel ASTM D1655

PROPERTY	UNIT		SPECIFICATION D1655	TEST METHOD
WORKMANSHIP				
Visual Rating	Rating		Clear and Bright	D4176
Saybolt Color	Number		Report	D156
COMPOSITION				
Acidity, Total	mg KOH/g	max	0.10	D3242
Aromatics	vol%	max	26.5	D6379
Sulfur, Mercaptan	wt%	max	0.003	D3227
Sulfur, Total	wt%	max	0.30	D4294
VOLATILITY				
Distillation temperature			--	D86
Initial boiling	Celsius		Report	D86
10% recovered temperature	Celsius (Fahrenheit)	max	205 (401)	D86
20% recovered temperature	Celsius		Report	D86
50% recovered temperature	Celsius		Report	D86
90% recovered temperature	Celsius		Report	D86
Final boiling temperature	Celsius (Fahrenheit)	max	300 (572)	D86
Residue	%		1.5	D86
Loss	%		1.5	D86
Flash Point	Celsius (Fahrenheit)	max	38 (100)	D56
Density at 15C	kg/m ³		775 - 840	D4052
API gravity at 60F	API		Report	D4052
FLUIDITY				
Freeze point	Celsius (Fahrenheit)	max	-45.5 (-50) Jet A	D5972
Freeze point	Celsius (Fahrenheit)	max	-47 (-53) Jet A-1	D5972
Viscosity at -20C	mm ² /s		8	D7945
COMBUSTION				
Net Heat of Combustion	MJ/kg	min	42.8	D3338
Smoke Point	mm	min	18	D1322
Naphthalenes	vol%	max	3.0	D1840
CORROSION				
Copper strip, 2 hr at 100C	Rating	max	1	D130
THERMAL STABILITY				
JFTOT - 2.5 hr @ 260 or 265				D3241
Ellipsometric Tube rating	nm	max	80	D3241 600A
Filter pressure drop	mm Hg	max	25	D3241
CONTAMINANTS				
Existent gum	mg/100ml	max	7	D381/IP540
Microseperometer	Rating	min	85	D3948
ADDITIVES				
Electrical conductivity improver*	pS/m		50 - 600	D2624

Note:

*Added per contract agreement only