



Product Specification Sheet

**Military Aviation Fuel
D1655 with Military Additives**

PROPERTY	UNIT		SPECIFICATION D1655	TEST METHOD	ITEM #
WORKMANSHIP					
Visual Rating	Rating		Clear and Bright	D4176	021
Saybolt Color	Number		Report	D156	010A
COMPOSTION					
Acidity, Total	mg KOH/g	max	0.10	D3242	100C
Aromatics	vol%	max	26.5	D6379	110A
Sulfur, Mercaptan	wt%	max	0.003	D3227	130
Sulfur, Total	wt%	max	0.30	D4294	150F
VOLATILITY					
Distillation temperature			--	D86	200A
Initial boiling	Celsius		Report	D86	201
10% recovered temperature	Celsius (Fahrenheit)	max	205 (401)	D86	202
20% recovered temperature	Celsius		Report	D86	213
50% recovered temperature	Celsius		Report	D86	204
90% recovered temperature	Celsius		Report	D86	206
Final boiling temperature	Celsius (Fahrenheit)	max	300 (572)	D86	211
Residue	%		1.5	D86	213
Loss	%		1.5	D86	214
Flash Point	Celsius (Fahrenheit)	max	38 (100)	D56	220B
Density at 15C	kg/m ³		775 - 840	D4052	
API gravity at 15C	API		Report	D4052	
Density at 60F	kg/m ³		Report	D4052	
API gravity at 60F	API		Report	D4052	231A
FLUIDITY					
Freeze point	Celsius (Fahrenheit)	max	-45.5 (-50) Jet A	D5972	300A
Freeze point	Celsius (Fahrenheit)	max	-47 (-53) Jet A-1	D5972	300A
Viscosity at -20C	mm ² /s		8	D7945	310
COMBUSTION					
Net Heat of Combustion	MJ/kg	min	42.8	D3338	400C
Hydrogen Content*	wt%	min	13.4	D7171	
Smoke Point**	mm	min	18.0	D1322	420
Naphthalenes	vol%	max	3.0	D1840	120
CORROSION					
Copper strip, 2 hr at 100C	Rating	max	1	D130	500
THERMAL STABILITY					
JFTOT - 2.5 hr @ 260 or 265				D3241	
Tube rating	Rating	Less than	3 (no P or A color deposit)	D3241	600A
Filter pressure drop	mm Hg	max	25	D3241	601
CONTAMINANTS					
Existent gum	mg/100ml	max	7	D381/IP540	710
Microseparator	Rating	min	85***	D3948	750
ADDITIVES					
Fuel system icing inhibitor	vol %		0.07 - 0.10	D5006	830A
Electrical conductivity improver	pS/m		50 - 600	D2624	900
Electrical conductivity improver temperature			Report	D2624	901
Corrosion Inhibitor	mg/L		12 - 23	Calculated	QPL-25017

Notes *Hydrogen content not required per D1655. Tested on request only for JP8 loads
 **Smoke point limit for D1655 Jet is 18.0
 ***If additives are present, limit is reduced to 70.
 Product complies with ASTM D1655. All additives are injected at point of shipment per contract