



Product Specification Sheet

JP -8 Military Aviation Fuel

ITEM #	TEST	UNIT	SPECIFICATION	METHOD
010A	SAYBOLT COLOR	Number	Report	D156
021	HAZE RATING	Method Defined	1 Max	D4176
100C	ACID NUMBER	mgKOH/g	0.020 Max	D3242
110A	AROMATICS	0.1% by vol.	25.0 Max	D1319
120	NAPHTHALENES	0.01% by vol.	3 Max	D1840
130	MERCAPTAN SULFUR	0.0001% by mass	0.002 Max	D3227
150F	TOTAL SULFUR, X-RAY FLUORESCENCE	0.01% by mass	0.15 Max	D4294
160A	HYDROGEN CONTENT - EST.	0.01%	13.4 Min.	D3343
200A	DISTILLATION BY APPARATUS			D86
201	DISTILLATION - IBP	Deg. C	Report	N/A
202	DISTILLATION - 10%	Deg. C	205 Max.	N/A
213	DISTILLATION - 20%	Deg. C	Report	N/A
204	DISTILLATION - 50%	Deg. C	Report	N/A
206	DISTILLATION - 90%	Deg. C	Report	N/A
211	DISTILLATION - FBP	Deg. C	300 Max.	N/A
213	DISTILLATION - % RES.	0.1% by vol.	1.5 Max.	N/A
214	DISTILLATION - %LOSS	0.1% by vol.	1.5 Max.	N/A
220B	FLASH POINT	0.5 Deg. C	38 Min	D56
230A	DENSITY	0.0001 kg/L	0.7753 - 0.8398	D4052
231A	API GRAVITY	0.1 Deg. API	37.0 - 51.0	D4052
300A	FREEZE PT	0.5 Deg. C	-47 Max	D7153
310	KINEMATIC VISCOSITY	cSt	8.0 Max	D445
311	VISCOSITY TEMPERATURE	Celsius		D445
400C	NET HEAT OF COMBUSTION	0.001 MJ/kg	42.8 Min	D3338
420	SMOKE POINT	1 mm	19 Min	D1322
500	COPPER CORROSION	Method - Defined	1 Max	D130
600A	JFTOT - 275 Deg C	Method - Defined		D3241-275
601	PRESSURE CHANGE	0.1 mm Hg	25 mm Hg Max	D3241
602	VISUAL RATING	Method Defined	<3	D3241
604	SECOND TEMP OF JFTOT	Deg. C	N/A	D3241
605	PRESSURE CHANGE AT 2ND TEMP	0.1 mm Hg	25 mm Hg Max	D3241
606	VISUAL RATING AT 2ND TEMP	Method Defined	<3	D3241
608	SERIAL NUMBER FOR TUBE IN 600A	N/A		D3241
609	SERIAL NUMBER FOR TUBE IN 604	N/A		D3241
710	EXISTENT GUM (Using air)	1 mg/100 mL	7.0 Max	D381
720B	PARTICULATES	0.01 mg/L	1.0 Max	D5452
730	FILTRATION TIME	1 minute	15 Max	D5452
740	WATER REACTION	Method Defined	1b Max	D1094
750	WSIM/MSEP	1 Unit	70 Min	D3948
751	ADDITIVES PRESENT	(List A)		
821	SDA INJECTION POINT	One-Character		N/A
830A	FSII- DiEGME - REFRACTOMETER	0.01% by vol.	0.07 - 0.10	D5006
831	FSII INJECTION POINT	One-Character		N/A
840	CORRISION INHIBITOR (CI)	mg/L	12 - 22.5	QPL-25017
841	CI INJECTION POINT	One-Character		N/A
900	CONDUCTIVITY	1 pS/m	150-450	D2624
901	CONDUCTIVITY TEMP	0.1 or 0.5 Deg.		D2624
910A	CALCULATED CETANE INDEX 2 VARIABLES	0.1 Units	Report	D976
	Calculated Cetane Index (4 variables)	0.1 Units	Report	D4737

Remarks:

Item 100C Waiver on acidity 0.020 max. C16.64.3B per contract SPO600-11-D-0525 with Petro Star Inc

Specification Exceptions 10.b: Conductivity measurement procedures outlined in SA-ALC/SFT letter dated October 15, 1998.

*Conductivity tested @32 F from October through March or

*Conductivity tested @60 F from April through September.

QAR approves the segregated batch as represented by these test results for DESC procurement.

All additives injected at point of shipment.