

Product Specification Sheet

**Military Aviation Fuel
JP-8**

<u>TEST</u>	<u>UNIT</u>	<u>SPECIFICATION</u>	<u>METHOD</u>
SAYBOLT COLOR	Number	Report	D156
HAZE RATING	Method Defined	1 Max	D4176
ACID NUMBER	mgKOH/g	0.020 Max	D3242
AROMATICS	0.1% by Vol.	25.0 Max	D1319
NAPHTHALENES	0.01% by Vol.	3 Max	D1840
MERCAPTAN SULFUR	0.0001% by mass	0.002 Max	D3227
TOTAL SULFUR, X-RAY FLUORESCENCE	0.01% by mass	0.15 Max	D4294
HYDROGEN CONTENT - EST.	0.01%	13.4 Min.	D3343
DISTILLATION BY APPARATUS			
			D86
DISTILLATION - IBP	Deg. C	Report	N/A
DISTILLATION - 10%	Deg. C	205 Max.	N/A
DISTILLATION - 20%	Deg. C	Report	N/A
DISTILLATION - 50%	Deg. C	Report	N/A
DISTILLATION - 90%	Deg. C	Report	N/A
DISTILLATION - FBP	Deg. C	300 Max.	N/A
DISTILLATION - % RES.	0.1% by Vol.	1.5 Max.	N/A
DISTILLATION - %LOSS	0.1% by Vol.	1.5 Max.	N/A
FLASH POINT	0.5 Deg. C	38 Min	D56
DENSITY	0.0001 kg/L	0.7753 - 0.8398	D4052
API GRAVITY	0.1 Deg. API	37.0 - 51.0	D4052
FREEZE PT	0.5 Deg. C	-47 Max	D7153
KINEMATIC VISCOSITY	cSt	8.0 Max	D445
VISCOSITY TEMPERATURE	Celsius		D445
NET HEAT OF COMBUSTION	0.001 MJ/kg	42.8 Min	D3338
SMOKE POINT	1 mm	19 Min	D1322
COPPER CORROSION	Method - Defined	1 Max	D130
JFTOT - 275 Deg C	Method - Defined		D3241-275
PRESSURE CHANGE	0.1 mm Hg	25 mm Hg Max	D3241
VISUAL RATING	Method Defined	<3	D3241
SECOND TEMP OF JFTOT	Deg. C	N/A	D3241
PRESSURE CHANGE AT 2ND TEMP	0.1 mm Hg	25 mm Hg Max	D3241
VISUAL RATING AT 2ND TEMP	Method Defined	<3	D3241
SERIAL NUMBER FOR TUBE IN 600A	N/A		D3241
SERIAL NUMBER FOR TUBE IN 604	N/A		D3241
EXISTENT GUM	1 mg/100 mL	7.0 Max	D381
PARTICULATES	0.01 mg/L	1.0 Max	D5452
FILTRATION TIME	1 minute	15 Max	D5452
WATER REACTION	Method Defined	1b Max	D1094
WSIM/MSEP	1 Unit	70 Min	D3948
ADDITIVES PRESENT	(List A)		
SDA INJECTION POINT	One-Character		N/A
FSII- DiEGME - REFRACTOMETER	0.01% by Vol.	0.10 - 0.15	D5006
FSII INJECTION POINT	One-Character		N/A
CORRISION INHIBITOR (CI)	mg/L	12 - 22.5	QPL-25017
CI INJECTION POINT	One-Character		N/A
CONDUCTIVITY	1 pS/m	150-450	D2624
CONDUCTIVITY TEMP	0.1 or 0.5 Deg.		D2624
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, C16.64.7A per contract SPO600-09-D-0513 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.

Specification Exceptions 10.c: Total water content required by C16.64-3 "shall not apply"

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

All additives injected at point of shipment.