

## STANDARD SPECIFICATION JET A-1

PROPERTY	UNITS	LIMIT	METHOD
Visual Appearance		Clear, bright and visually free from solid matter and undissolved water at ambient, fuel temperature	
Saybolt Colour		Report	ASTM D6045
Particulate, at point of manufacture	mg/L	1.0 Max.	ASTM D5452
Particulate, at point of manufacture, cumulative channel particle counts	ISO Code		
≥ 4 µm (c)		Report	IP 564
≥ 6 µm (c)		Report	IP 564
≥14 µm (c)		Report	IP 564
≥ 21 µm (c)		Report	IP 564
≥ 25 µm (c)		Report	IP 564
≥ 30 µm (c)		Report	IP 564
Total Acidity	mg KOH/g	0.015 Max	ASTM D3242
Aromatics	% v/v	26.5 Max	ASTM D6379
Total Sulfur	% m/m	0.30 Max	ASTM D5453

Sulfur, Mercaptan	% m/m	0.0030 Max	ASTM D3227
Non Hydroprocessed Components	% v/v	Report	
Mildly Hydroprocessed Components	% v/v	Report	
<b>PROPERTY</b>	<b>UNITS</b>	<b>LIMIT</b>	<b>METHOD</b>
Severely Hydroprocessed Components	% v/v	Report	
Synthetic Components	% v/v	Report	
<b>DISTILLATION:</b>			
Initial Boiling Point	°C	Report	
10% Recovery	°C	205.0 Max	
50% Recovery	°C	Report	ASTM D 86
90% Recovery	°C	Report	
End Point	°C	300.0 Max	
Residue	% v/v	1.5 Max	
Loss	% v/v	1.5 Max	
Flash Point	°C	38.0 Min	IP 170
Density @ 15 °C	kg/m <sup>3</sup>	775.0 to 840.0	ASTM D4052
Freezing Point	°C	-47.0 Max	ASTM D7153
Viscosity at minus 20 °C	mm <sup>2</sup> /s	8.000 Max	ASTM D445
Smoke Point	mm	25.0 Min	ASTM D1322

Specific Energy	MJ/kg	42.80 Min	ASTM D3338
Copper Strip	Class	Max 1	ASTM D130
Thermal Stability, JFTOT			
Test Temperature	°C	260 Min	ASTM D3241
Tube Rating Visual		Less than 3. No Peacock (P) or Abnormal (A)	
<b>PROPERTY</b>	<b>UNITS</b>	<b>LIMIT</b>	<b>METHOD</b>
Pressure Differential	mm Hg	25 Max	ASTM D3241
Existent Gum	mg/100 ml	7 Max	IP 540
MSEP With SDA	Rating	Min 70	ASTM D3948
Electrical Conductivity	pS/m	Min 50 Max 600	ASTM D2624
Wear Scar Diameter	mm	0.85 Max	ASTM D 5001
Antioxidant, RDE/A/609	mg / l	17 - 24	Calc
Static Dissipator Additive Stadis 450, RDE/A/621	mg / l	Max 3.0	Calc

It is Certified that each batch of fuel represented by the samples conforms to the latest issue and amendments of AFQRJOS Checklist (Incl DEF-STAN 91-091).