

## QUALITY CERTIFICATE SPECIFICATIONS

### JP54-AVIATION KEROSENE COLONIAL GRADE 54

PROPERTY	UNIT	RESULT	TEST-IP	METHOD	ASTM
<b>ADDITIVES</b>					
Antioxidant in hydro processed fuel	mg/l	min	17		
	mg/l	max			
	mg/l	min	24		
	mg/l	min			
	mg/l	min	24		
Antioxidant non hydro processed fuel			1		
Static dissipater first doping ASA-3			3		
Stadis 450					
<b>COMBUSTION PROPERTIES</b>					
Specific energy, net	mj/lkg	min	18.4		D4808
Smoke point Luminometer	mm	min			
number Naphthalenes		min	19		D1322
		max			
	% vol		45		D1740
			3		D1840
<b>COMPOSITION</b>					
	mg KOH/g	max	0.01	354	D3242
	% vol	max			
Total Acidity Aromatics		max	22	158	D1318
Sulphur, Total	% mass	max	0.30	107	D1266/2622
Sulphur, Mercaptan	% mass		0.003	342	D3227
Doctor, test				30	D4952
<b>VOLATILITY</b>					
Initial Boiling Point	Centigrade	max	Report	123	D96
10% vol at C			240		
20% vol at C			Report		
50% vol at C			Report		
80% vol at C End point			300		
Recovered residuals	Centigrade	max	1.5		
		max			
		max			

Loss	% vol	max	1.5		
Flash Point	% vol	min/max	42		
Density at 15 C	Centigrade kg/m <sup>2</sup>		776/840	170/303 180/385	D56/3828 D1298
LOW TEMPERATURE					
Freezing Point	Centigrade	max	-40	15	D2256
CORROSION					
Corrosion, copper (2hrs at 100C) Corrosion, silver (4hrs at 50C)		max max	1 1	154 227	D130
STABILITY					
Thermal stability control, Temp. 280C Filter pressure, differential mm.Hg Tube deposit rating (visual)		max max	323 25	<3	
CONTAMINATIONS					
Existent Gum	mg/100ml	max max	7	131	D361
Water reaction, interface rating		min min	16 75	258	D1084 D3648
Fuel with static dissipater additives			85		
Fuel without static dissipater additive					