

Specification: Aviation Kerosene JP54

PROPERTIES	UNIT	RESULT	TEST- IP	METHOD	ASTM
ADDITIVES					
Antioxidant in hydro processed fuel	Mg/l	Min / Max	17 / 24		
Antioxidant non hydro processed fuel	Mg/l	Max	24		
Static dissipater first doping ASA-3	Mg/l	Max	1		
Stadis 450	Mg/l	Max	3		
COMBUSTION PROPERTIES					
Specific energy, net	kJ/kg	Min	18.4		D4808
Smoke point	Mm	Max	19		D1322
Luminometer number		Max	45		D1740
Naphthalenes	% volume	Max	3		D1840
COMPOSITION					
Total Acidity	Mg KOH/g	Max	0.01	354	D3242
Aromatics	% vol	Max	22.0	158	D1318
Sulphur, Total	% mass	Max	0.30	107	D1266/2622
Sulphur, Mercaptan	% mass	Max	0.003	342	D3227
Doctor, test				30	D4952
VOLATILITY					
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			Report		
End point	Centigrade	Max	300		
Recovered residuals	% vol	Max	1.5		
Loss	% vol	Max	1.5		
Flash Point	Centigrade	Max	42	170/303	D56/3828
Density at 15 C	Kg/m ²	Min / Max	776 / 840	180/305	D1256
LOW TEMPERATURE					
Freezing Point	Centigrade	Max	-40	15	D2256
CORROSION					
Corrosion, copper (2hrs at 100C)		Max	1	154	D130
Corrosion, silver (4hrs at 50C)		Max	1	227	
STABILITY					
Thermalstability control, Temp. 280C					
Filter pressure, differential mm.Hg		Max	25	323	
Tube deposit rating (visual)		Max	< 3		
CONTAMINATIONS					
Existent Gum	Mg/100ml	Max	7	131	D361
Water reaction, interface rating		Max	16	258	D1084
Fuel with static dissipater additives		Min	75		D3648
Fuel without static dissipater additive		Min	85		
CONDUCTIVITY					
Electrical conductivity	p ² /m		Report		