KEYCORP

SPECIFICATION OF AVIATION KEROSENE JET FUEL (A1)

Property	Unit	Result	Test-Ip	Method	Astm
Additive					
Antioxidant In Hydro Processed Fuel	Mg/L	Min	17		
Antioxidant Non Hydro Processed Fuel	Mg/L	Max	24		
Static Dissipate First Doping Asa-3	Mg/L	Min	24		
Staidis 450	Mg/L	Min	1		
Combustion Properties					
Smoke Point	Mj/Lkg	Min	18.4		D4808
Specific Energy, Net	Mm	Min	19		D1322
Luminomitter Number		Min	45		D1740
Naphthalenes	% Vol	Max	3		D1840
Composition					
Total Acidity	Mg Koh/G	Max	0.01	354	D3242
Aromatic	% Vol	Max	22	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	176	D86
10% Vol @ C			210		
20% Vol @ C			Report		
50% Vol @ C			Report		
80% Vol @ 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 @ 15 C	Kg/M^2	Min /Max	776/840	180/305	D1256
Low Temperature					
Freezing Point	Centigrade	Max	-47	15	D2256
Corrosion					
Corrosion, Copper (2hrs @ 100°c)		Max	1	154	D130
Corrosion, Silver (4hrs @ 50°c)		Max	1	227	
Thermal Stability Control, Temp. 280°c					
Filter Pressure, Differential Mm.Hg		Max	323		
Tube Deposit Rating (Visual)		Max	25	<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 Additives		Min	85		