



PETRO AZAR ASIA



همکار سازمان ملی استاندارد  
شماره YA/3020

## JET FUEL ANALYSIS

ANALYSIS	UNIT	LIMIT	METHOD	RESULT
Density @ 15°C	Kg/m <sup>3</sup>	775-840	D 4052	785.1
Appearance	-	-	-	Clear
Colour	-	Report	D 156	+ 29
Distillation	-	-	D 86	-
I.B.P	°C	T.B.R	-	144
10% Recovered@	°C	205 Max	-	162
50% Recovered @	°C	T.B.R	-	179
90% Recovered @	°C	T.B.R	-	206
End point	°C	300 Max	-	236
Residue/Loss	Vol/vol %	1.5/1.5 Max	-	1.0/1.0
Gum Existent (steam jet)	Mg/100 ml	7.0 Max	IP-540	0.4
Doctor test	-	Negative	D 4952	-
Sulphur Mercaptane	Wt%	0.003	D 3227	0.002
Sulphur total	(%Wt)	0.3 Max	D 4294	0.0074
Conductivity	(Ps/m)	50-600	D 2624	280
Specific Energy	(Mj/Kg)	42.8 Min	D 3338	43.4
Freezing Point	°C	-47 Max	D 2386	<-60
Aromatics	%vol	25 Max	D 1319	19.2
Smoke point	(mm)	250 Min	D 1322	26
Corrosion copper-23 hrs. @100°C	°C	1 Max	D 130	1 a
Water separation index modified	°C	70 Min	D 3948	81
Total Acid Number	Mg KOH/gr	0.015 Max	D 3242	0.0052
Particulate contaminant	Mg/lit	1.0 MAX	D 5452	0.66
Viscosity kinematic @-20	c.st	8 Max	D 445	3.9
Flash point - Abel	°C	38 Min	IP 170	47
Jet fuel thermal oxidation tester @260 c	°C	-	D 3241	-
Filter pressure	mmHg	25 Max	-	0.2
Tube Deposit Rating	(Visual)	Less Than 3.0	-	1
Lubricity: water scar diameter	(mm)	0.85 Max	D 5001	0.75