

**TECHNICAL DEPARTMENT**  
**REFINERY LABORATORY**

**CERTIFICATE OF QUALITY AVIATION KEROSENE JET**

**LIBYAN SPECIFICATION**

<b>VISUAL</b>	<b>APPEARANCE</b>		<b>BRIGHT &amp; CLEAR</b>
ASTM D 1298	Specific Gravity.@.15.6 Deg.C		0.8011
	Density.@.15.0 Deg.C	kg/lit	0.8007
ASTM D 5452	Particulate Cont. at pointof manucature	mg/lit	-----
ASTM D 86	Initial Boiling Point	Deg.C	155
	10% Vol. Recovered	Deg.C	173
	50% Vol. Recovered	Deg.C	198
	90% Vol. Recovered	Deg.C	230
	Final Boiling Point	Deg.C	249
	Residue	% Vol	0.5
	Loss	% Vol	0.5
ASTM D 2386	Freezing Point	Deg.C	-52
ASTM D 445	Viscosity,Kinematic.@.-20 Deg.C	mm sq/sec	4.41
ASTM D 1319	Aromatics	% Vol	12.48
ASTM D 130	Copper Strip Corrosion,2Hrs.@.100 Deg.C	Class	1a
ASTM D 381	Existent Gum	mg/100 ml	1.0
ASTM D 1322	Smoke Point	mm	28
ASTM D 3338	Specific Energy Net	mj/kg	43.37
IP. 170	Flash Point	Deg.C	47.0
ASTM D 4294	Total Sulphur	% wt	0.0028
ASTM D 3227	Mercaptan Sulphur	% wt	0.0006
IP. 30	Doctor Test		Positive
ASTM D 3242	Total Acidity	mg. KOH/gr	0.012
ASTM D 3948	Micro Separometer	Rating	92
ASTM D 1094	Separation		1.0
	Interface Rating		1.0
ASTM D 3241	Pressure drop, 2.5hrs.@.260 Deg.C	mm.Hg	0.0
	Preheater Deposit	Rating	1.0
ASTMD 2624	Electrical Conductivity.@31.0 Deg.C	pS/m	280
	Gum Inhibitor (Hydrogen Treated)	mg/lit	18.33
	S T A D I S - 450	mg/lit	0.855