

## Bazian Refinery - Analysis Report

Sample Id	: Tank Sample 103	Date	: -
Product	: Jet A1	Tank No.	: 103
Sampling Point	: Composite Sample (T-M-B)	Batch No.	: -
Job Location	: Bazian Refinery	Sampling Date	: -
Representing	: Grade: Jet A1	Analysis Date	: -

Method	Test	Result	Units	Specification Limit
ASTM D4176	Appearance	Clear, Bright & visually free from solid matter & undissolved water at ambient temperature	-	Clear, Bright & visually free from solid matter & undissolved water at ambient temperature
ASTM D5452	Total Particulate Contamination	0.4	mg/l	Max 1.0
ASTM D156	Saybolt Color Units	19	-	Report
ASTM D86	Initial boiling Point	155	°C	Max 205.0
	10% Recovery	174	°C	
	50% Recovery	188	°C	
	90% Recovery	207	°C	
	Final Boiling Point	228	°C	Max 300.0
	Corrected Residue	0.6	Vol %	Max 1.5
	Corrected Loss	0.4	Vol %	Max 1.5
ASTM D4294	Sulphur Content	0.183	Wt %	Max 0.3
ASTM D3227	Mercaptan Sulphur	0.0001	Wt %	Max 0.003
ASTM D4952	Doctor Test	Negative	-	Negative
ASTM D1322	Smoke Point	26.8	mm	Min 25
IP 170	Flash Point	42.0	°C	Min 38.0
ASTM D445	Viscosity @ -20°C	3.4	cSt	Max 8.0
ASTM D1298	Density @ 15°C	787.7	kg/m <sup>3</sup>	775.0 - 840.0
ASTM D2386	Freezing Point	-56.2	°C	Max -47.0
ASTM D1319	Total Aromatics	17.5	Vol %	Max 25.0
ASTM D3242	Acid Number	0.0022	mg KOH/gm	Max 0.015
ASTM D130	Copper Corrosion @ 100°C/2 Hr	1a	-	Max 1
ASTM D3338	Specific Energy, net	43.30	MJ/Kg	Min 42.8
IP 540	Existent Gun	0.9	mg/100ml	Max 7.0
ASTM D3948	MSEP Rating, Test A	98	-	Min 85
ASTM D2624	Electrical Conductivity @ 25°C	1	pS/M	50-600
ASTM D3241	Test Temperature of Fuel	260	°C	Min 260
	Heater Tube Deposit Color	1	-	<3, no Peacock or Abnormal color deposits

Laboratory Senior Chemist  
Name:

Signature:

Laboratory Manager  
Name: Sreeraj Chellappan

Signature: