



Attock Refinery Limited

No.PL-NPA(4)/2012

FURNACE FUEL OIL (FFO)

Sr.No.	Test Description	Unit	Test Method	Specifications	Min / Max
1	Flash point PMCC	°C (°F)	D93 / IP 34	66 (150)	Min.
2	Kinematic Viscosity at 50°C (122°F)	cSt (mm ² /sec)	D445	180	Max.
3	Sulphur	wt%	D4294	3.5	Max.
4	Water	vol%	D95	0.5	Max.
5	Sediments by Extraction	wt%	D473	0.15	Max.
6	Strong acid No.	mg KOH/gm	D974	Nil	Max.
7	Pour Point	°C	D97	24	Max.
8	Calorific Value Gross	BTU/lb	D240/D4868	18200	Min.
9	Specific Gravity @ 60/60 °F	-	D1298	0.980	Max.
10	Ash Content	wt%	D482	0.10	Max.
11	Carbon Residue Conradson	wt%	D189	15	Max.
12	Vanadium	ppm	AAS	100	Max.
13	Sodium + Potassium	ppm	AAS	50	Max.