



# Attock Refinery Limited

PS 345-2011 (2nd Revision)

## DIESEL FUEL OIL (DFO)

Sr.No.	Test Description	Unit	Test Method	Specifications	Min / Max
1	Colour	-	D1500	3	Min.
2	Specific Gravity at 15.6/15.6°C	-	D1298	0.90	Max.
3	Flash Point Pensky Marten closed cup	°C	D93 / IP34	54	Min.
4	Viscosity Kinematic at 40°C	cst	D445 / IP71	12	Max.
5	Pour Point				
	a) Summer (March-Oct)	°C	D97 / IP15	12	Max.
	b) Winter (Nov-Feb)			9	Max.
6	Sulphur	%wt	D4294	1.80	Max.
7	Carbon Residue Conradson	%wt	D189	1.5	Max.
8	Water	%Vol	D95 / IP74	0.25	Max.
9	Sediments	%wt	D473	0.05	Max.
10	Ash Content	%wt	D482	0.02	Max.
11	Neutralization Value:				
	a) Total Acid No	mg KOH/gm	D664	0.5	Max.
	b) Strong Acid No			Nil	Max.
12	Cetane Index	-	D976 / IP218	35	Min.
13	Calorific value*	KJ/kg (BTU/lb)	D4868 / D240	See Note	-

**Note:** \*Calorific value is not part of requirements of specification and shall be reported on customer demand.