



Attock Refinery Limited

PS 344:2009/PL-NPA(4)2008

HIGH SPEED DIESEL (HSD)

Sr.No.	Test Description	Unit	Test Method	Specifications	Min / Max
1	Specific gravity 15.6°C (60°F)	-	D1298	To be repoted	-
2	Colour	-	D1500	3.0	Max.
3	Flash point	°C	D93	54	Min.
4	Cloud Point				
	a) Summer (March-Oct)	°C	D2500	9	Max.
	b) Winter (Nov-Feb)			6	Max.
4	CFPP				
	a) Summer (March-Oct)	°C	IP309 / ISO 3016	9	Max.
	b) Winter (Nov-Feb)			6	Max.
5	Pour point				
	a) Summer (March-Oct)	°C	D97	6	Max.
	b) Winter (Nov-Feb)			3	Max.
6	Cetane Index (calculated)	-	D976	45	Min.
7	Sulphur	Wt% (ppm)	D4294 / D129	0.05 (500)	Max.
8	Copper strip 3 hrs corrosion at 100°C	-	D130	1	Max.
9	Carbon residue:				
	Conradson carbon % wt of 10% residue	Wt%	D189	0.20	Max.
10	Sediment	Wt%	D473	0.01	Max.
11	Water	Wt%	D95	0.05	Max.
12	Ash contents	Wt%	D482	0.01	Max.
13	Neutralization value:				
	a) Total acid No	mg KOH/gm	D974	0.5	Max.
	b) Strong acid No			Nil	-
14	Viscosity, Kinematic at 40°C	cst	D445	1.50	Min.
				6.50	Max.
15	Distillation:				
	a) 50% Vol% recovery	°C	D86	Report	-
	b) 90% Vol% recovery			365	Max.

* For special requirement of HSD in terms of sulphur content lower than prescribed here, procurement can be arranged by mutual agreement between consumer and supplier.