

S.No	PARAMETER	METHOD	LIMIT
1	Acidity, inorganic	IS 1448 P :2	Nil
	Acidity , total, mg KOH/ g, Max.	IS 1448 P :2	To report
2	Ash, percent by mass, Max.	IS 1448 P :4	0.01
3	Carbon residue (Ramsbottom) on 10% residue, percent by mass, Max,	IS 1448 P :8	0.3
4	Cetane number, Min.	IS 1448 P :9	51
5	Cetane index, Min.	ASTM D 4737	46
6	Pour point, max	IS 1448 P :10/ ASTM D 5949 or 5950 or 5985	
	a) Winter, °C		3
	b) Summer, °C		15
7	Copper strip corrosion for 3h @ 100°C	IS 1448 P :15	Not worse than no. 1
8	Distillation, percent (v/v) , recovered	IS 1448 P:18	
	a) at 360°C, Min		95
9	Flash Point		
	a) Abel, °C, Min	IS 1448 P :20	35
	b) Pensky Martens closed cup, °C, Min	IS 1448 P :21	66
10	Kinematic viscosity, cSt, at 40°C	IS 1448 P :25	2.0 to 4.5
11	Total contamination, mg/kg	EN 12662	24
12	Density at 15°C, kg/m ³	IS 1448 P :16 / P:32/ASTM D 4052	820 - 845
13	Total Sulphur, mg/kg, Max	ASTM D 4294 / D 5453/D 2785/D 2622/D3120	350
14	Water Content, mg/kg, max	IS 1448 P :40	200
15	Cold filter plugging point (CFPP), Max	IS 1448 P :110 / ASTM D 6371	
	a) Winter, °C		6
	b) Summer, °C		18
16	Oxidation stability, g/m ³ Max	ASTM D 2274	25
17	Polycyclic aromatic hydrocarbons, (PAH), percent by mass, Max	IP 391	11
18	Lubricity, corrected wear scar diameter(wsd 1.4) at 60°C, microns, Max	ISO 12156-1	460