

Sr. No.	Tests	Method	Unit	Limits IS 1460:2017 BS VI/EN 590:2017	Specification
1	Appearance	Visual	-	-	Clear & Bright and free from sediments, suspended matter and undissolved water at normal ambient fuel temperature
2	Acidity Inorganic	ASTM D 974	mgKOH/gm	Nil	Nil
3	Acidity Total	IS 1448 P: 2/ ISO6618		0.2 (max)	0.04
4	Ash Content	IS 1448 P: 4 EN ISO 6245	%m/m	0.01 (max)	0.001
5	Carbon Residue (on 10% distillation residue)	IS 1448 P: 8/ EN ISO 10370	%m/m	0.3 (max)	0.02
6	Cetane Number	IS 1448 P: 9 EN ISO 5165	-	51 (Min)	63.6
7	Cetane Index	ASTM D 4737/ EN ISO 4264	-	46 (Min)	66.7
8	Pour Point	IS 1448 P:10/ ISO 3016	°C	Winter 3 (max) Summer 15 (max)	-15
9	Copper Strip Corrosion (3h @ 50°C)	IS 1448 P:15/ EN ISO 2160	-	Not Worse than 1	Not Worse than 1
10	Distillation 95% Recovery	IS 1448 P:18/ EN ISO 3405	°C	360(max)	341.0
11	Flash Point	IS 1448 P:20/ EN ISO 2719	°C	35 (Min)	68.0
12	Kinematic Viscosity @40°C	IS 1448 P:25/ EN ISO 3104	cSt	2.0 to 4.5	2.870
13	Density @15°C	IS 1448 P:16/ EN ISO 3675	Kg/m ³	810 to 845	814.2
14	Total Sulphur	IS 1448 P:153/ EN ISO 20846	mg/kg	10 (max)	8.2
15	Water content	ASTM D 6304/ EN ISO 12937	mg/kg	200 (max)	180
16	Cold Filter Plugging Point	IS 1448 P:110/ EN 116	°C	Winter 6 (max) Summer 18 (max)	-13
17	Polycyclic Aromatic Hydrocarbons	IS 1448 P:391/ EN 12916	%m/m	8 (max)	1.8
18	Lubricity	IS 1448 P:149/ EN ISO 12156-1	microns	460 (max)	194