

SN.	PARAMETER	METHOD	SPECIFICATION
1	Appearance	visual	Clear, Bright & free from sediments, suspended matter & undissolved water at normal, ambient fuel temperature.
2	Density @ 15°C, Kg/m ³	IS 1448 P :16/ASTM D4052 / ISO 12185 / ASTM D 1298 / IP 160	810 to 845
3	Colour (ASTM)	ASTM D 1500	Max 5
4	Water Content, mg/Kg	ISO 12937/ASTM D 6304	Max 200
5	Flash Point (Abel), °C	(P:20) / ISO 3679 / IP 170 / IP 523 / EN 13736	Min 35
6	Kinematic Viscosity @ 40°C, cSt	IS 1448 P :25 ASTM D445/ASTM D7042 / ISO 3104 / IP 71	2.0 to 4.5
7	Pour Point, °C	IS 1448 P :10 /ASTMD 5949/ ASTM D 5950 / ASTM D 5985 / ASTM D97/ ASTM D 7346 / IP 15	Max 3 (Winter)
			Max 15 (Summer)
8	Copper Strip Corrosion(3 hr. @ 50°C)	IS 1448 P :15 / ASTM D 130 / IP 154	Not worse than No. 1
9	Total Sulphur, mg/Kg	ASTM D : 2622/5453	Max 10
10	Acidity (Total), mg KOH/g	IS 1448 P :2 / ASTM D 974/664	Max 0.2
11	Acidity (Inorganic) mg KOH/g	ISO 6618 / IP 139 / ASTM D974	Nil
12	Ash, % mass	IS 1448 P :4 /ASTM D 482	Max 0.01
13	Carbon residue (Ramsbottom or Micro) on 10% residue, % mass.	IS 1448 P :8 / ASTM D 4530	Max 0.30
14	Cold Filter Plugging Point (CFPP), °C	IS 1448 P :110/ ASTMD 6371/IP 309	Max 6 (Winter)
			Max 18 (Summer)
15	Cetane Number	IS 1448 P :9 / ASTM D 613	Min 51

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16	Cetane Index	ASTM D 4737 / ISO 42649 / IP 380	Min 46
17	Distillation :	IS 1448 P :18 / ASTM D 86 / ISO 3405 / ASTM D 7345 / IP 123	
	95 %V/V, Recovery °C,		Max 360
18	Lubricity wsd @ 60°C, microns	IP 149 / ISO 12156-1	Max 460
19	Total contaminations, mg/kg	EN 12662 , IP 440	Max 24
20	Oxidation stability, g/m ³	ISO 12205 / ASTM D 2274	Max 25
21	Polycyclic Aromatic Hydrocarbon (PAH), % mass.	IP 391/ASTM D 6591 / EN 129169	Max 8
22	FAME content, %V/V	Annex A of IS 1460-2017 / ASTM D 7371 / ENI 14078	Max 7

Remarks : Product Conforms to IS 1460 : 2017 Specification For Automotive Diesel Fuel