

**BPCL: HIGH FLASH HIGH SPEED DIESEL  
 (HFHSD) - ISO 8217 : 2017 (DMA)**

SN.	PARAMETER	METHOD	SPECIFICATION
1	Appearance	visual	Clear & bright
2	Density @ 15°C kg/m <sup>3</sup>	ISO 3675/12185/ IS 1448 P:16	Max 890
3	Flash Point °C	ISO 2719 / IS 1448 P:21	Min 60
4	Kinematic Viscosity @ 40°C, mm <sup>2</sup> /s	ISO 3104 / IS 1448 P:25	2 to 6
5	Pour Point , °C	ISO 3016 / IS 1448 P:10	
	Winter		Max -6
	Summer		Max 0
6	Sulphur %mass	ISO 8754/ASTM4294	Max 0.5
7	Carbon Residue (Micro method) on 10% vol distillation residue, %mass.	ISO 10370	Max 0.3
8	Ash, %mass	ISO 6245	Max 0.01
9	Acid Number, mg KOH/ g	ASTM D 664	Max 0.5
10	Cetane Index	ISO 4264 / ASTM D 4737	Min 40
11	Oxidation Stability, g/m <sup>3</sup>	ISO 12205	Max 25
12	Lubricity, corrected wsd, at 60°C, µm	ISO 12156-1	Max 520
13	Hydrogen Sulphide, mg/kg	IP 570	Max 2
14	Cold Filter Plugging Point, °C (winter)	IP 309 /612	Report
15	Cloud point, °C (winter)	ISO 3015	Report

**Remarks : Product conforms to ISO 8217 : 2017 (DMA) specifications**

**BPCL: HIGH FLASH HIGH SPEED DIESEL  
(HFHSD) : IS 16861 : 2018**

SN.	PARAMETER	METHOD	SPECIFICATION
1	Density @ 15°C, kg/m <sup>3</sup>	IS 1448 P:16 / ASTM D4052	Max 860.0
2	Appearance	Visual	Clear and Bright
3	Flash Point (PMCC), °C	IS 1448 P :21	Min 66
4	Kinematic Viscosity @ 40°C, cSt	ASTM D 445 / IS 1448 P :25/ ISO 3104	2.0 to 5.0
5	Pour Point, °C	IS 1448 P :10 / ASTM D 5950	Max 3 (Winter)
			Max 15 (Summer)
6	Copper Strip Corrosion (3 hr. @ 100°C)	IS 1448 P :15	Not worse than No. 1
7	Total Sulphur, % mass	ASTM D 4294 / ASTM D 5453	Max 0.20
8	Acid Number, mg KOH/g	ASTM D974 / IS 1448 P:2	Max 0.5
9	Ash, % mass	IS 1448 P:4/ISO 6245	Max 0.01
10	Carbon residue on 10%v Distillation residue, % mass.	IS 1448 P :8/ISO 10370	Max 0.3
11	Cold Filter Plugging Point (CFPP), °C	IS 1448 P :110	To Report
12	Cetane Index	ISO 4264 / ASTM D 4737	Min 45
13	Distillation: % V/V,	IS 1448 P :18 / ASTM D 86	
	Recovered @ 350 °C		Min 85
	Recovered @ 370 °C		Min 95
14	Oxidation stability, g/m <sup>3</sup>	ISO 12205 / ASTM D 2274	Max 25
15	Lubricity wsd @ 60°C, microns	ISO 12156-1 / IS 1448 P:149	Max 520
16	Water Content, ppm	ISO 12937/ ISO 6296/ ASTM D 6304	Max 500

**Remarks: Product conforms to IS 16861:2018 specifications for High Flash High Speed Diesel.**