

MS-BS-VI Specifications**Remarks:** The Product conforms to IS 2796: 2017 specifications.

	Method	UOM	Min	Max
1 Color Visual - - Dyed	Visual	Dyed		
2 Density at 15°C				
Density at 15°C: Upper 720 775 739.0	ISO 12185 - 96	kg/m ³	720.0	775.0
Density at 15°C: Middle	ISO 12185 - 96	kg/m ³	720.0	775.0
Density at 15°C: Lower	ISO 12185 - 96	kg/m ³	720.0	775.0
Density at 15°C: Composite	ISO 12185 - 96	kg/m ³	720.0	775.0
3 Distillation	288	338	288	338
Recovery up to 70°C (E70) 36.1	ASTM D86 - 15	Vol %	10	45
Recovery up to 100°C (E100)	ASTM D86 - 15	Vol %	40	70
Recovery up to 150°C (E150)	ASTM D86 - 15	Vol %	75	--
Final Boling Point	ASTM D86 - 15 °C	°C	---	210
Residue	ASTM D86 - 15	Vol %	--	2.0
4 Research Octane Number (RON)	ASTM D 2699- 15A		91.0	91.9
5 Motor Octane Number (MON)	ASTM D 2700- 16		81	--
6 Existent Gum	IS 1448: P 29- 04	g/m ³	--	40
7 Sulphur Total	ASTM D 5453-12	mg/kg	---	10
8 Lead Content	ASTM D 5059 -14	g Pb/l	---	0.005
9 Reid Vapour Pressure @ 38°C	ASTM D 5191- 15	kPa	--	60
10 *Vapour Lock Index (VLI)	Calculation	--	--	950

11 Benzene Content ASTM D 3606-10 Vol % - 1 0.95	ASTM D 3606-10	Vol %	--	1
12 Copper Strip Corrosion for 3 hrs @ 50°C	IS 1448:P15 - 04	Rating	--	1 Max
13 *Engine intake system cleanliness	IS 2796 Note 6-14			
14 Olefin Content	IS 1448:P23 - 04	Vol %	--	21
15 Oxidation Stability	IS 1448:P28 - 08	Min	360	---
16 Aromatic Content	IS 1448:P23-04(RA 2010)	Vol %	--	35
17 Oxygen content	ASTM D 4815-15	Wt%	--	3.7

The Product conforms to IS 2796 : 2017 specifications

HSD-BS-VI Specifications

	Method	UOM	Min	Max
1 APPEARANCE	VISUAL	B&C	B&C	B&C
3 DENSITY AT 15° C	IS 1448 P:16	kg/m ³	810.0	845.0
4 DENSITY AT 15 °C - TOP	IS 1448 P : 16	kg/m ³	810.0	845.0
5 DENSITY AT 15 °C – MIDDLE	IS 1448 P : 16	kg/m ³	810.0	845.0
6 DENSITY AT 15 °C - BOTTOM				
9 95% V/V RECOVERY °C	IS 1448 P :18/ISO 3405	°C	-	360.0
10 KINEMATIC VISCOSITY @ 40°C	IS 1448 P :25	cSt	2.00	4.500
12 FLASH POINT ABEL	IS 1448 P :20	°C	35.0	--
14 CU STRIP CORR FOR 3 HR AT 50°C	--	IS 1448 P :15/ISO 2160	--	1
15 POUR POINT SUMMER	IS 1448 P:10	°C	--	15
17 CETANE INDEX	ASTM D 4737/ISO 4264	--	46.0	--
20 KINEMATIC VISCOSITY@ 40°C -TOP	IS 1448 P :25	cSt	2.000	4.500
23 TOTAL SULPHUR	ISO-20846	mg/kg	--	10.0
24 TOTAL SULPHUR-TOP	ISO-20846	mg/kg	0	10.0

The Product conforms SPECIFICATIONS AS PER IS 1460: 2017 (6TH REVISION)