

**Laboratory** Patna Laboratory, Indian Oil Corporation Limited (MD), Sipara,  
P.O. - Lohianagar, Patna, Bihar

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 21.07.2015

**Certificate Number** T-1412 **Valid Until** 20.07.2017

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I</b>	<b>PETROLEUM</b>			
1.	MS/SKO/HSD	Appearance	Visual	Qualitative
		Colour	Visual	Qualitative
		Density	IS 1448 (Part 16): 2007	650 kg/m <sup>3</sup> to 1000 kg/m <sup>3</sup>
		<b>Distillation</b>	IS 1448 (Part 18): 2010	
		Temperature		30 °C to 400 °C
		Volume		0 to 100 %
		Copper Strip Corrosion	IS 1448 (Part 15): 2011	1 Rating to 4 Rating
2.	SKO/HSD	Flash Point	IS 1448 (Part 20): 2008	10 °C to 70 °C
3.	HSD	K.V at 40 °C	IS 1448 (Part 25): 2007	1.0 cSt to 6.0 cSt
		Pour Point	IS 1448 (Part 10): 2008	(-)15 °C to (+)18 °C
4.	MS/HSD	Total Sulphur	ISO 80247 ASTM D4294	0.003 % by mass to 0.05 % by mass
5.	SKO	Smoke Point	IS 1448 (Part 31): 2008	5 mm to 50 mm
6.	MS	Existent Gum	IS 1448 (Part 29): 2004	1 mg/100ml to 100 mg/ 100ml

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