

Laboratory Indian Oil Corporation Ltd., Hazira Laboratory, Hazira Terminal.  
Ichhapore, Hazira Road, Dist. Surat, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6497 (in lieu of T-1675)

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Validity 06.10.2017 to 05.10.2019

Last Amended on 03.11.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>CHEMICAL TESTING</b>				
<b>I.</b>	<b>PETROLEUM AND PRODUCTS</b>			
1.	MS, HSD, SKO	Density	IS 1448 (Part 16):2014	700 kg/m <sup>3</sup> to 850 kg/m <sup>3</sup>
	MS, HSD, SKO	Copper Strip Corrosion Test	IS 1448 (Part 15):2011	Qualitative (1a to 4c)
		Distillation: IBP & FBP	IS 1448 (Part 18):2016, ASTM D86:2017	30 °C to 400 °C
		Recovery @ 360°C	IS 1448 (Part 18):2016, ASTM D86:2017	5 % to 99 % vol.
	MS, HSD, SKO	Sulphur Content	ISO 20847:2004, ASTM D4294:2016	0.0005 % to 4.5 % mass
2.	MS	Existent Gum	IS 1448 (Part 29):2013	5 gm/m <sup>3</sup> to 50 gm/m <sup>3</sup>
3.	SKO	Smoke Point	IS 1448 (Part 31):2013	10 mm to 30 mm
4.	SKO, HSD	Flash Point (Abel)	IS 1448 (Part 20):2013	19.0°C to 70.0°C
5.	FO, LSHF ,HSD	Flash Point (PMCC)	IS 1448 (Part 21):2012	40°C to 130°C
6.	HSD	Kinematic Viscosity @ 40°C	IS 1448 (Part 25):2013	2.0 cSt to 200 cSt
7.	FO	Kinematic Viscosity @ 50°C	IS 1448 (Part 25):2013	2.0 cSt to 380 cSt
	FO	Sediment	IS 1448 (Part 30):2013(by Extraction)	0.01 % to 0.4 %

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	FO	Water content	IS 1448 (Part 40):2015 (by Distillation)	upto 25% vol
8.	HSD, FO	Pour Point	IS 1448 (Part 10):2013	(-)12°C to 18°C
II.	LUBRICANTS			
1.	Lubricant additives	Kinematic Viscosity @ 40°C	IS 1448 (Part 25):2013	2.0 cSt to 200 cSt
		Kinematic Viscosity @ 100°C	IS 1448 (Part 25):2013	2.0 cSt to 380 cSt