

Laboratory Paradeep Laboratory, Indian Oil Corporation Limited, Paradeep Terminal, Atharabanki Railway Colony, Paradeep, Jagatsinghpur, Orissa

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5280 (In lieu of T-3220)

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Validity 08.12.2016 to 07.12.2018

Last Amended on 17.03.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I. PETROLEUM PRODUCTS				
1.	MS, SKO, HSD, LSHF HSD	Appearance	WI/32/00/07.12.2016	Qualitative
		Colour	WI/33/00/07.12.2016	Qualitative
2.	MS, SKO, HSD, LSHF HSD, LDO, FO	Density	IS 1448(P16)	650 kg/m ³ to 1050 kg/m ³
		Total Sulphur	ISO 20847	17 mg/kg to 46000 mg/kg
3.	MS, SKO, HSD, LSHF HSD	Distillation	IS 1448(P18)	30 °C to 400 °C 0 to 100 % Vol.
4.	SKO, HSD	Flash point (Abel)	IS 1448(P 20)	19 °C to 70 °C
5.	LSHF HSD, LDO, FO	Flash Point PMCC	IS 1448(P 21)	50 °C to 120 °C
6.	HSD, LSHF HSD, LDO	Kinematic Viscosity at 40 °C	IS 1448(P 25)	1.0 cSt to 15 cSt
		Pour point	IS 1448 (P 10)	-15 °C to +30 °C
7.	FO	Kinematic Viscosity at 50 °C	IS 1448(P 25)	16 cSt to 370 cSt
8.	MS	Total Sulphur	ASTM D-4294	30 mg/kg to 500 mg/kg
		Existent gum	IS 1448(P29)	0 to 50 g/m ³
9.	SKO	Smoke point	IS 1448(P 31)	5 mm to 30 mm
10.	MS,SKO,HSD,LSHF HSD	Copper corrosion	IS 1448(P15)	Qualitative (Rating 1-4)

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