National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LTD. NISHATPURA LABORATORY, DEEWANGUNJ ROAD, NISHATPURA, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6287 **Page No** 1 of 4

Validity 26/12/2022 to 25/12/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	APPEARENCE	WI/OPN/06/6.1
2	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	CETANE INDEX (BY CALCULATION)	ASTM D4737
3	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	COLOUR	WI/OPN/06/6.1
4	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	Copper Strip Corrosion @50°C	ASTM D 130
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	COPPER STRIP CORROSSION TEST @50°C	IS 1448 (Part 15)
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	Density by Auto	ASTM D4052
7	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	Density by Hydrometer	ASTM D1298
8	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	DENSITY BY HYDROMETER	IS 1448 (Part 16)
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	Distillation	ASTM D 86
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	DISTILLATION	IS1448 (Part 18)
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	Flash Point (Abel)	IP 170
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	FLASH POINT (ABEL)	IS 1448 (Part 20)
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	Flash point (Abel) Auto	ISO 13736
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	KINEMATIC VISCOCITY @ 40°C	IS 1448 (Part 25)
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	KINEMATIC VISCOSITY @40°C	ASTM D 445
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	KINEMATIC VISCOSITY @40°C AUTO BY STABINGER VISCOMETER	ASTM D7042
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	Pour Point	ASTM D 97
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	Pour Point	IS 1448 P:10

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & It's Variants	Total Sulphur	ASTM D 5453
20	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Acidity	IS 15464 : ANNEX D
21	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Aldehyde content	IS 15464 : ANNEX E
22	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Alkalinity	IS 15464 : ANNEX D
23	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Appearance	WI/OPN/06/6.1
24	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Ethanol Content % Vol	IS 15464 : ANNEX B
25	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Miscibility with water	IS 15464 : ANNEX J
26	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Relative Density @15.6/15.6°C	IS 15464 : ANNEX A
27	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Residue on Evaporation % Mass	IS 15464 : ANNEX C
28	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	ASH CONTENT	IS 1448 part-4
29	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	DENSITY BY HYDROMETER	IS 1448 (Part 16)
30	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	FLASH POINT BY PMCC	IS 1448 (Part 21)
31	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	KINEMATIC VISCOSITY @ 50°C	IS 1448 (Part 25)
32	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	SEDIMENT BY EXTRACTION	IS 1448 (Part 30)
33	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	SULPHUR BY XRF	ASTM D 4294
34	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	WATER CONTENT BY DEAN & STARK	IS 1448(Part 40)
35	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	APPEARENCE	WI/OPN/06/6.1
36	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	COLOUR	WI/OPN/06/6.1
37	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion Test @50°C	ASTM D 130

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	COPPER STRIP CORROSSION TEST @ 50°C	IS1448 P : 15
39	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Auto	ASTM D4052
40	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density By Hydrometer	ASTM D 1298
41	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	DENSITY BY HYDROMETER	IS 1448 (Part 16)
42	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	DISTILLATION	ASTM D 86
43	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	DISTILLATION	IS 1448 P:18
44	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IP 170
45	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash point Abel AUTO	ISO 13736
46	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	FLASH POINT BY ABEL	IS 1448 P:20
47	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	TOTAL SULPHUR	ASTM D 5453
48	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	TOTAL SULPHUR	ASTM D4294
49	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	ASH CONTENT	IS 1448 (Part 4)
50	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	DENSITY BY HYDROMETER	IS 1448 (Part 16)
51	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	FLASH POINT (PMCC)	IS 1448 (Part 21)
52	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	KINEMATIC VISCOSITY @ 40°C	IS 1448 (Part 25)
53	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	Pour Point	IS 1448 P:10
54	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	SEDIMENT BY EXTRACTION	IS 1448 (Part 30)
55	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	SULPHUR BY XRF	ASTM D 4294
56	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	WATER CONTENT BY DEAN & STARK	IS 1448 (Part 40)

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	APPEARENCE	WI/OPN/06/6.1
58	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	COLOUR	WI/OPN/06/6.1 :
59	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	Copper Strip Corrosion @50°C	ASTM D 130
60	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	COPPER STRIP CORROSSION TEST@50°C	IS 1448 (Part 15)
61	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	DENSITY	IS 1448 P:16
62	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	Density by Auto	ASTM D :4052
63	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	Density by Hydrometer	ASTM D 1298
64	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	Distillation	ASTM D:86
65	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	DISTILLATION	IS 1448 (Part 18)
66	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	Ethanol Content	IS 2796 ANNEX C
67	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	Gum Content (Solvent Washed)	ASTM D 381
68	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	Gum Content (Solvent Washed)	IS 1448 P:29
69	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	RON	ASTM D 2699
70	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	RON	IS 1448 P 27
71	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Ethanol blended Motor Gasoline , XPMS and XP 95	TOTAL SULPHUR	ASTM D:5453