National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LIMITED, HAZIRA LABORATORY, ICHHAPORE, HAZIRA ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/01/2023 to 15/01/2025 **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 & it's Variants	Calculated Cetane Index (By Four Variable Equation)	ASTM D4737
2	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Color (Visual)	IS 2796
3	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Copper Strip Corrosion Test @ 50°C	ASTM D130
4	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Copper Strip Corrosion Test 3hrs @ 50°C & 100°C	IS 1448 (Part 15)
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Flash Point (Abel)	IS 1448 (Part 20)
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Kinematic Viscosity @ 40°C	ASTM D445
7	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Kinematic Viscosity @ 40°C (By Auto)	ASTM D7042
8	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Kinematic Viscosity @40°C	IS 1448 (Part 25)
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Pour Point	ASTM D97
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Pour Point	IS 1448 (Part 10/Section 2)
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & it's Variants	Total Sulphur	ASTM D5453
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & Its Variants	Ash Content	ASTM D482
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & its Variants	Cetane Index	IS 1448 (Part 9)
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & Its Variants	Cold Filter Plugging Point	IS 1448 (Part 110)
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & Its Variants	Density by Auto	ASTM D4052
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & Its Variants	Density by Hydrometer	ASTM D1298
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & Its Variants	Distillation	ASTM D86
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & Its Variants	Distillation	IS 1448 (Part 18)

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & Its Variants	Distillation (95 % Recovery)	IS 1448 (Part 18)
20	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & its Variants	Flash Point (Abel)	IP 170
21	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel & Its Variants	Flash Point (Abel) Auto	ISO 13736
22	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel& it's Variants	Density by Hydrometer	IS 1448 (Part 16)
23	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) FAME	Appearance	IS 15607
24	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) FAME	Cold Filter Plugging Point	ASTM D6371
25	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) FAME	Cold Filter Plugging Point	IS 1448 (Part 110)
26	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) FAME	Copper Corrosion 3hrs @ 50°C	IS 1448 (Part 15)
27	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) FAME	Flash Point (PMCC)	IS 1448 (Part 21)
28	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) FAME	Kinematic Viscosity @ 40°C	ASTM D7042
29	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) FAME	Kinematic Viscosity @ 40°C	IS 1448 (Part 25)
30	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) FAME	Total Sulfur	ASTM D5453
31	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) FAME	Water Content By Dean & Stark	IS 1448 (Part 40)
32	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Acidity	IS 15464 (Annex D)
33	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Aldehyde Content	IS 15464 (Annex F)
34	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Alkalinity	IS 15464 (Annex D)
35	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Appearance (Visual)	IS 15464
36	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Ethanol Content % Volume @15.6°C	IS 15464 (Annex B)
37	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Miscibility with Water	IS 15464 (Annex C)

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Residue on Evaporation (% by Mass)	IS 15464 (Annex C)
39	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Specific Gravity @15.6°C	IS 15464 (Annex A)
40	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel Fuel	Pour Point	IS 1448 (Part 10/Section 2)
41	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Appearance	IS 1459
42	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Color	IS 1459
43	CHEMICAL- PETROLEUM AND PRODUCTS	kerosene	Copper Strip Corrosion Test 3hrs @ 50°C	ASTM D130
44	CHEMICAL- PETROLEUM AND PRODUCTS	kerosene	Copper Strip Corrosion Test 3hrs @ 50°C	IS 1448 (Part 15)
45	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Auto Stabinger	ASTM D4052
46	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density By Hydrometer	ASTM D1298
47	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density By Hydrometer	IS 1448 (Part 16)
48	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation	ASTM D86
49	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation	IS 1448 (Part 18)
50	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IP 170
51	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IS 1448 (Part 20)
52	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel) By Auto	ISO 13736
53	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IS 1448 (Part 31)
54	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulfur	ASTM D5453
55	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D4294
56	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants all Grades	Flash Point (COC)	IS 1448 (Part 69)

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Benzene Content	ASTM D6277
58	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Color (Visual)	IS 2796
59	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its Variants	Copper Corrosion 3 hrs @ 50°C	IS 1448 (Part 15)
60	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Copper Strip Corrosion 3hrs @ 50°C	ASTM D130
61	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Density by Hydrometer	ASTM D1298
62	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Density By Hydrometer	IS 1448 (Part 16)
63	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Distillation	ASTM D86
64	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Distillation	IS 1448 (Part 18)
65	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Ethanol Content	IS 2796
66	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Gum Content (Solvent Washed)	ASTM D381
67	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variants	Gum Content (Solvent Washed)	IS 1448 (Part 29)
68	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and its Variants	Appearance	IS 2796
69	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and its Variants	Density by Auto Stabinger	ASTM D4052
70	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and its Variants	Total Sulfur	ASTM D5453
71	CHEMICAL- PETROLEUM AND PRODUCTS	N-Methyl Aniline	Flash Point (PMCC)	IS 1448 (Part 21)