National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LTD (MARKETING DIVISION), DELHI TERMINAL - TIKRI KALAN LABORATORY, GHEVRA MODE , ROHTAK ROAD, TIKRI KALAN, NEW DELHI, WEST DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 10/02/2023 to 09/02/2025 **Last Amended on** 05/03/2023

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	Anhydrous Ethanol	Acidity	IS 15464 Annex D
2	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Aldehyde Content	IS 15464 Annex E
3	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Alkanility	IS 15464 Annex D
4	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Appearance	Visual IOCL_TTK/SOP/02
5	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Ethanol Content Volume @ 15.6 °C	IS 2302
6	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Miscibility with water	IS 15464 Annex J
7	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Relative Density @ 15.6/15.6 °C	IS 15464 Annex A
8	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Residue on evaporation	IS 15464 Annex C
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Abel Flash Point	IS 1448 (Part 20)
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Appearance	Visual IOCL_TTK/SOP/02
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Calculated Cetane Index	ASTM D4737
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Copper Strip Corrosion Test @ 50°C	IS 1448 (part 15)
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Density @ 15 °C (auto)	ASTM D4052
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Density @ 15 °C by hydrometer Method	ASTM D1298
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Density @ 15 °C by hydrometer method	IS 1448 (Part 16)
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Distillation: 95 % V/V Recovery @ °C	ASTM D86
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Distillation: 95 % V/V Recovery @ °C	IS 1448 (Part 18)
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Kinematic Viscosity @ 40 °C (Auto))	ASTM D7042

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Kinematic Viscosity @ 40 °C (Manual)	IS 1448 (Part 25) sec 1
20	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Pour Point	IS 1448 (Part 10) section 2
21	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & its Variants (XG/Biodiesel blends up to B 20)	Total sulfur	ASTM D5453
22	CHEMICAL- PETROLEUM AND PRODUCTS	Bio Diesel(B-100)	PMCC Flash Point (Auto)	ASTM D93
23	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-diesel (B100)	Acid Value	ASTM D974
24	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel (B100)	Cold Filter Plugging Point (CFPP)	ASTM D6371
25	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel (B100)	Cold filter plugging point (CFPP)	IS 1448 (part 110)
26	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel (B100)	Colour	Visual IOCL_TTK/SOP/01
27	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel (B100)	Copper Strip Corrosion Test @ 15 °C	IS 1448 (part-15)
28	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel (B100)	Density @ 15 °C (Auto)	ASTM D4052
29	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel (B100)	Density @ 15 °C by hydrometer method	IS 1448 (part 16)
30	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel (B100)	Kinematic Viscosity @ 40 °C (Auto)	ASTM D7042
31	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel (B100)	Kinematic Viscosity @40 °C (manual)	IS 1448 (Part 25)
32	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel (B100)	PMCC Flash Point	IS 1448 (part 21)
33	CHEMICAL- PETROLEUM AND PRODUCTS	Bio-Diesel(B100)	Appearance	visual IOCL_TTK/SOP/02
34	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Appearance	Visual IOCL_TTK/SOP/02
35	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Colour	Visual IOCL_TTK/SOP/01
36	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Copper Strip Corrosion Test @ 50 °C	IS 1448 (part 15)
37	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Density @ 15 °C (Auto)	ASTM D4052

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Density @ 15°C by hydrometer method	ASTM D1298
39	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Density @ 15°C by hydrometer method	IS 1448 (Part 16)
40	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation :Evaporation @ 150 °C	ASTM D86
41	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation: % evaporated @ 150 °C	IS 1448 (part 18)
42	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation: % evaporated @ 70 °C	IS 1448 (part 18)
43	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation: Evaporation @ 100 °C	ASTM D86
44	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation: Evaporation @ 100 °C	IS 1448 (part 18)
45	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation: Evaporation @ 70 °C	ASTM D86
46	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation: Final Boiling Point	ASTM D86
47	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation: Final boiling Point	IS 1448 (part 18)
48	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation: Residue	IS 1448 (Part 18)
49	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Distillation:Residue	ASTM D86
50	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Existent Gum	IS 1448 (part 29)
51	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & its variants (XP, EBXP/EBMG up to E20)	Total sulfur	ASTM D5453
52	CHEMICAL- PETROLEUM AND PRODUCTS	N-Methyl Aniline	Relative Density @ 15.6 °C by hydrometer method	ASTM D1298
53	CHEMICAL- PETROLEUM AND PRODUCTS	N-Methyl Aniline (NMA)	Appearance	Visual IOCL_TTK/SOP/02
54	CHEMICAL- PETROLEUM AND PRODUCTS	N-Methyl Aniline (NMA)	colour	Visual IOCL_TTK/SOP/01
55	CHEMICAL- PETROLEUM AND PRODUCTS	N-Methyl Aniline (NMA)	PMCC Flash Point (Auto)	ASTM D93
56	CHEMICAL- PETROLEUM AND PRODUCTS	N-Methyl Aniline (NMA)	PMCC Flash Point (Manual)	IS 1448 (part 21)

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57	CHEMICAL- PETROLEUM AND PRODUCTS	N-Methyl Aniline (NMA)	Relative Density @ 15.6 °C by hydrometer method	IS 1448 (part 16)