National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MUGHALSARAI TERMINAL LABORATORY, INDIAN OIL CORPORATION LIMITED (MD), ALINAGAR, MUGHALSARAI, CHANDAULI, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10940 **Page No** 1 of 3

Validity 28/08/2022 to 27/08/2024 **Last Amended on** 29/03/2023

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 (as CH3COOH)	IS 15464 (Annex D)
2	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Aldehyde content (as CH3CHO)	IS 15464 (Annex E)
3	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Alkalinity	IS 15464 (Annex D)
4	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Appearance (Visual)	ASTM D4176
5	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Ethanol Content	IS 15464 (Annex B)
6	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Miscibility with Water	IS 15464 (Annex J)
7	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Relative Density/ Specific Gravity at 15.6/15.6 °C	IS 15464 (Annex A)
8	CHEMICAL- PETROLEUM AND PRODUCTS	Bio Diesel (B100)	Acid Value	ASTM D974
9	CHEMICAL- PETROLEUM AND PRODUCTS	Bio Diesel (B100)	Appearance (Visual)	ASTM D4176
10	CHEMICAL- PETROLEUM AND PRODUCTS	Bio Diesel (B100)	CFPP (Cold Filter Plugging Point)	IS 1448 (Part 110)
11	CHEMICAL- PETROLEUM AND PRODUCTS	Bio Diesel (B100)	Colour (Visual)	IS 15607
12	CHEMICAL- PETROLEUM AND PRODUCTS	Bio Diesel (B100)	Copper Strip Corrosion Test	IS 1448 (Part 15)
13	CHEMICAL- PETROLEUM AND PRODUCTS	Bio Diesel (B100)	Density by Hydrometer Method	IS 1448 (Part 16)
14	CHEMICAL- PETROLEUM AND PRODUCTS	Bio Diesel (B100)	Flash Point (PMCC)	IS 1448 (Part 21)
15	CHEMICAL- PETROLEUM AND PRODUCTS	Bio Diesel (B100)	Kinematic Viscosity at 40°C	IS 1448 (Part 25/ Sec 1)
16	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its Variant	Appearance	IS 1460
17	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its Variant	Calculated Cetane Index	ASTM D4737
18	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its Variant	Copper Strip Corrosion Test	IS 1448 (Part 15)

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19	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its Variant	Density	IS 1448 (Part 16)
20	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its Variant	Distillation: 95% v/v Recovery	ASTM D86
21	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its Variant	Distillation: 95% v/v Recovery	IS 1448 (Part 18)
22	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its Variant	Flash Point	IS 1448 (Part 20)
23	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its Variant	Kinematic Viscosity at 40°C	IS 1448 (Part 25)
24	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its Variant	Pour Point	IS 1448 (Part 10/Section 2)
25	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its variant	Total Sulphur Content	ASTM D5453
26	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel & Its variant & Superior Kerosene	Flash Point	IP 170
27	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Appearance	IS 2796
28	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Colour	IS 2796
29	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Copper Strip Corrosion Test	IS 1448 (Part 15)
30	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Density	IS 1448 (Part 16)
31	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Distillation: %Evaporated at 100°C (E100)	ASTM D86
32	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its variant	Distillation: %Evaporated at 100°C (E100)	IS 1448 (Part 18)
33	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Distillation: %Evaporated at 150°C (E150)	ASTM D86
34	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Distillation: %Evaporated at 150°C (E150)	IS 1448 (Part 18)
35	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Distillation: %Evaporated at 70°C (E70)	ASTM D86
36	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Distillation: %Evaporated at 70°C (E70)	IS 1448 (Part 18)
37	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Distillation: Final Boiling Point (FBP)	ASTM D86

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Distillation: Final Boiling Point (FBP)	IS 1448 (Part 18)
39	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Distillation: Residue	ASTM D86
40	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Distillation: Residue	IS 1448 (Part 18)
41	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Existent Gum	IS 1448 (Part 29)
42	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline & Its Variant	Total Sulphur Content	ASTM D5453
43	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Appearance	IS 1460
44	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Colour	IS 1460
45	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Copper Strip Corrosion Test	IS 1448 (Part 15)
46	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Density	IS 1448 (Part 16)
47	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Distillation: %Recovered below 200°C	ASTM D86
48	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Distillation: %Recovered below 200°C	IS 1448 (Part 18)
49	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Distillation: Final Boiling Point (FBP)	ASTM D86
50	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Distillation: Final Boiling Point (FBP)	IS 1448 (Part 18)
51	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Flash Point	IS 1448 (Part 20)
52	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Smoke Point	IS 1448 (Part 31)
53	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene	Total Sulphur	ASTM D5453