National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	JAIPUR SMART LABORATORY, INDIAN OIL CORPORATION LIMITED, MOHANPURA PRITHVI SINGH, RENWAL MAJHI, PHAGI, JAIPUR, RAJASTHAN, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-8832
Page No	1 of 3
Validity	30/04/2022 to 29/04/2024
Last Amended on	19/04/2023

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	Automotive Diesel Fuel/HSD	Calculated Cetane Index	ASTM D4737
2	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel/HSD & its variants	KINEMATIC VISCOSITY @ 40 deg C	IS 1448: P25
3	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel/HSD & its variants	Kinematic Viscosity @ 40 deg.C	ASTM D7042
4	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel/HSD & its variants	POUR POINT	IS 1448: P10(Sec 2)
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel/HSD & its variants;/SKO/PCK	Abel Flash Point	IS 1448 P 20
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel/HSD; Biodiesel Blended Automotive Diesel Fuel/HSD	FAME Content	EN 14078
7	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Acid Value	ASTM D974
8	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Appearance, Visual	IS 15607
9	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Colour, Visual	IS 15607
10	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Copper Strip Corrosion	IS 1448 : Part 15
11	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Density at 15 °C	ASTM D4052
12	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Density at 15 °C	IS 1448 : Part 16
13	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Flash point (PMCC)	IS 1448 : Part 21
14	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Kinematic viscosity at 40 °C	IS 1448 : Part 25
15	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Kinematic Viscosity at 40 Deg.C by Stabinger Auto Viscometer	ASTM D7042
16	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	PMCC Flash Point (Auto)	ASTM D93
17	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Total Sulfur	ASTM D5453
18	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel; Automotive Diesel Fuel/HSD; Biodiesel Blended Automotive Diesel Fuel/HSD	Cold filter plugging point (CFPP)	IS 1448 : Part 110

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel; Automotive Diesel Fuel/HSD; Biodiesel Blended Automotive Diesel Fuel/HSD	Density at 15 °C	IS 1448 : Part 167
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, Visual	IS 15464
24	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Ethanol, percent	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 at 15.6/15.6 Deg.C	IS 15464: Annex A
27	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Relative Density at 15.6/15.6 Deg.C	IS 321
28	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Residue on evaporation	IS 15464: Annex C
29	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/Ethanol Blended Motor Gasoline	Ethanol content	ASTM D5845
30	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/Ethanol Blended Motor Gasoline	Ethanol content	IS 2796: Annex C
31	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/MS & its variants	EXISTENT GUM	IS 1448: P29
32	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/MS & its variants; Automotive Diesel Fuel/HSD & its variants;	Total Sulfur	ISO 13032
33	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/MS & its variants; Automotive Diesel Fuel/HSD & its variants; SKO/PCK	Copper Strip Corrosion Test	IS 1448: P15
34	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/MS & its variants; Automotive Diesel Fuel/HSD & its variants; SKO/PCK	Density	ASTM D4052
35	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/MS & its variants; Automotive Diesel Fuel/HSD & its variants; SKO/PCK	DENSITY	IS 1448: P16
36	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/MS & its variants; Automotive Diesel Fuel/HSD & its variants; SKO/PCK	DISTILLATION (b)Recovery, % by volume	IS 1448: P18: 2020/ ASTM D86
37	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/MS & its variants; Automotive Diesel Fuel/HSD & its variants; SKO/PCK	DISTILLATION (a) Temperature	IS 1448: P18: 2020/ ASTM D86

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline/MS & its variants; Automotive Diesel Fuel/HSD & its variants; SKO/PCK	Total Sulfur	ASTM D5453
39	CHEMICAL- PETROLEUM AND PRODUCTS	MS and its variant/ HSD and its variant/ SKO/PCK.	Colour	Visual
40	CHEMICAL- PETROLEUM AND PRODUCTS	MS and its variant/Automotive Diesel Fuel/HSD & its variant/SKO/PCK	Appearance	Visual
41	CHEMICAL- PETROLEUM AND PRODUCTS	N-methylaniline	PMCC Flash Point (Auto)	ASTM D93
42	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/PCK	SMOKE POINT	IS 1448-P:31
43	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/PCK	Total Sulphur	ASTM D 4294