National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LIMITED (MARKETING DIVISION) LUCKNOW TERMINAL LABORATORY, INDIAN OIL CORPORATION LIMITED, LUCKNOW, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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 for Use as Blending Component in Motor Gasoline	Acidity (as CH3COOH)	IS 15464 Annex D
2	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Aldehyde Content (as CH3CHO)	IS 15464 Annex E
3	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Alkalinity	IS 15464 Annexure D
4	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Appearance, Visual	IS 15464 , SOP:LTAS/ Visual Colour
5	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Ethanol Percent (v/v)	IS 15464 Annex B Method I
6	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Miscibility with Water	IS 15464 Annex J
7	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Relative Density at 15.6/15.6°C	IS 15464 Annex A
8	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	ABEL FLASH POINT	IS1448:P20
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	CALCULATED CETANE INDEX	ASTM D 4737
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	CFPP	IS1448 P110
11	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Copper Strip Corrosion Test	IS1448:P15
12	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	DENSITY	ASTM D4052
13	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Density	IS1448:P16
14	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	DISTILLATION	IS 1448:P18
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	KINEMATIC VISCOSITY@40°C	ASTM D7042
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	KV @ 40 °C	IS 1448 (P: 25)
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	IS 1448 (P 10)
18	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	TOTAL SULPHUR	ASTM D5453

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19	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	VISUAL APPEARANCE	Visual(in house SOP reference no-LAS/2019/Visual Appearance
20	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	VISUAL COLOUR	VISUAL COLOUR(in house SOP reference no LAS/2019/Visual colour:2019
21	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel,	PMCC Flash Point test	IS 1448 P:21
22	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Specific Energy	ASTM D4529
23	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Total Sulphur Percent m/m	ASTM D5453
24	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION GASOLINE 100LL	ANILINE POINT	IS 1448 P:3
25	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION GASOLINE 100LL	Copper Strip Corrosion Test	IS 1448:P15
26	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION GASOLINE 100LL	DISTILLATION	IS1448:P18
27	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION GASOLINE 100LL	ELECTRICAL CONDUCTIVITY	ISO 6297
28	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION GASOLINE 100LL	EXISTENT GUM	IS1448:P29
29	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION GASOLINE 100LL	REID VAPOUR PRESSURE	IS1448 P:39
30	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION GASOLINE 100LL	VISUAL APPEARANCE	Visual(in house SOP reference no-LAS/2019/Visual Appearance
31	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION GASOLINE 100LL	VISUAL COLOUR	VISUAL COLOUR(in house SOP reference no LAS/2019/Visual colour:2019
32	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION GASOLINE 100LL	WATER REACTION	IS 1448:P42
33	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	SAYBOLT COLOUR	ASTM D156
34	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	Abel Flash Point	IS 1448 (P 20)
35	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	AROMATICS	IS 1448 P:23

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36	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	Copper Strip Corrosion Test	IS 1448 P:15
37	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	DENSITY	ASTM D4052
38	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	Density	IS 1448 P:16
39	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	DISTILLATION	IS 1448 P:18
40	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	ELECTRICAL CONDUCTIVITY	ISO 6297
41	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	EXISTENT GUM	IS1448 P:29
42	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	FREEZING POINT	ASTM D 7153
43	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	Freezing Point	IS1448:P11
44	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	KINEMATIC VISCOSITY@(-)20°C	ASTM D7042
45	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	KV@(-)20°C	IS 1448:P25
46	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	MICROBIOLOGICAL TEST	IP 385
47	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	MILLIPORE TEST	IP 216
48	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	NAPTHALENES	IS 1448 P:118
49	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	SILVER STRIP CORROSION	IS 1571 ANNEX B
50	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	Smoke Point	ISO 3014
51	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	SPECIFIC ENERGY	ASTM D3338
52	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	SULPHUR MERCAPTAN	IS 1448 P:109
53	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	TOTAL ACIDITY	IS 1448 P:113
54	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	TOTAL SULPHUR	ASTM D 4294

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55	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	VISUAL APPEARANCE	Visual (in House SOP) Reference No-LAS/2019/Visual Appearance
56	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	Visual Colour	Visual Color (in House SOP) Reference No-LAS/2019/Visual Colour
57	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL JET-A1	WATER REACTION	IS 1448 P:42
58	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Acid value	ASTM D974
59	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Appearance, visual	IS 15607 ,SOP:LTAS/Visual Appearance
60	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Cold Filter Plugging Point (CFPP)	IS 1448 (Part 110)
61	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Colour, Visual	IS 15607,SOP:LTAS/Visual Colour
62	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Copper Strip Corrosion 3 hrs at 50°C	IS 1448 (Part 15)
63	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Density@15°C	ASTM D4052
64	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Density@15°C	IS 1448 (Part 16)
65	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Flash Point (PMCC)	IS 1448 (Part 21)
66	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Kinematic Viscosity at 40°C	ASTM D7042
67	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Kinematic Viscosity at 40°C	IS 1448 (Part 25/Section 1)
68	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B-100) fatty acid methyl ester	Total Sulphur	ASTM D5453
69	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	ABEL FLASH POINT	IS1448:P20
70	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Copper Strip Corrosion Test	IS1448:P15
71	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	DENSITY	ASTM D4052
72	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Density	IS1448 :P16

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73	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	DISTILLATION	IS1448 :P18
74	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IS 1448 P:31
75	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	SMOKE POINT	ISO 3014
76	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	TOTAL SULPHUR	ASTM D4294
77	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	TOTAL SULPHUR	ASTM D5453
78	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	VISUAL APPEARANCE	Visual(in house SOP reference no-LAS/2019/Visual Appearance
79	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	VISUAL COLOUR	VISUAL COLOUR(in house SOP reference no LAS/2019/Visual colour:2019
80	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Copper Strip Corrosion Test	IS1448:P15
81	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DENSITY	ASTM D4052
82	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Density	IS1448:P16
83	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION	IS 1448 : P18
84	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum	IS 1448 (P 29)
85	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	EXISTENT GUM	IS1448:P29
86	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	RESEARCH OCTANE NUMBER	ASTM D 2699
87	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	RESEARCH OCTANE NUMBER	IS1448:P27
88	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	TOTAL SULPHUR	ASTM D5453
89	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	VISUAL APPEARANCE	Visual(in house SOP reference no-LAS/2019/Visual Appearance

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90	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	VISUAL COLOUR	VISUAL COLOUR(in house SOP reference no LAS/2019/Visual colour:2019
91	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Appearance	SOP:LTAS/Visual Colour (Issue Date 10.05.2022)
92	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Colour	SOP:LTAS/Visual Colour (Issue Date 10.05.2022)
93	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Copper Strip Corrosion 3 hrs at 50°C	IS 1448 (Part 15)
94	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Density at 15°C	ASTM D4052
95	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Density at 15°C	IS 1448 (Part 16)
96	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Distillation -% Evaporated at 100 °C(E100 °C) Percent (v/v)	IS 1448 (Part 18)
97	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Distillation- % Evaporated at 150 °C(E150 °C) Percent (v/v)	ASTM D86
98	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Distillation- % Evaporated at 70 °C(E70 °C) Percent (v/v)	ASTM D86
99	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Distillation -% Evaporated at 70°C (E70 °C) Percent (v/v)	IS 1448 (Part 18)
100	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Distillation-% Evaporated at 150 °C(E150 °C) Percent (v/v)	IS 1448 (Part 18)
101	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Distillation-% Evaporated at100 °C(E100 °C) Percent (v/v)	ASTM D86
102	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Ethanol Content Percent v/v	IS 17021 Annex C
103	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Final Boiling Point °C	ASTM D86
104	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Final Boiling Point °C	IS 1448 (Part 18)
105	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Gum Content (Solvent washed)	IS 1448 (Part 29)
106	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Research Octane Number (RON)	ASTM D2699
107	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Research Octane Number (RON)	IS 1448 (Part 27)

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108	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Residue Percent by Volume	ASTM D86
109	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Residue Percent by Volume	IS 1448 (Part 18)
110	CHEMICAL- PETROLEUM AND PRODUCTS	Motor gasoline and Admixture of Anhydrous Ethanol & Gasoline	Total Sulphur	ASTM D5453