National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	DELHI TERMINAL LABORATORY, INDIAN OIL CORPORATION LTD. (MARKETING DIVISION), DELHI TERMINAL, BIJWASAN, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6020	**Page No**	1 of 9
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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- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Acidity (as CH3COOH)	ASTM D7795
2	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Acidity (as CH3COOH)	IS 15464 Annexure D
3	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Aldehyde (as CH3CHO) content	IS 15464 Annexure E
4	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Alkalinity	IS 15464 Annexure D
5	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Appearance	Visual (IS 15464)
6	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Ethanol Percent (v/v)	IS 15464 Annexure B Method I
7	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Miscibility with Water	IS 15464 Annexure J
8	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Relative Density at 15.6/15.6 °C	IS 15464 Annexure A Method II
9	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Relative Density at 15.6/15.6 °C	IS 15464 Annexure A, A-4 (Alcoholmeter Method - IS 321)
10	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Residue on Evaporation	IS 15464 Annexure C
11	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Sulphur Content	ASTM D5453
12	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Anhydrous Ethanol for Use as Blending Component in Motor Gasoline	Water Content	ASTM D7923
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Appearance	Visual
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Calculated Cetane Index	ASTM D 4737
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion Test	IS 1448 (Part 15)
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density	IS 1448 (Part 16)
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation, 95% Recovery	ASTM D 86
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation, 95% Recovery	IS 1448 (Part 18)

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point	IP 170
20	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point	IS 1448 (Part 20)
21	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point	ISO 13736
22	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity	ASTM D 7042
23	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity	IS 1448 (Part 25) Section 1
24	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	IS 1448 (Part 10)
25	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Total Sulphur	ASTM D 5453
26	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Total Sulphur	ISO 20846
27	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasloine	Distillation Loss	IS 1448 (Part 18)
28	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Aniline Point	IS 1448 (Part 3)
29	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Appearance	Visual
30	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Aromatic Content	ASTM D1319
31	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Copper Strip Corrosion Test	ASTM D 130
32	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Copper Strip Corrosion Test	IS 1448 (Part 15)
33	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density	ASTM D 1298
34	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density	ASTM D 4052
35	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density	IS 1448 (Part 16)
36	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation (temperature @ prescribed % recovered)	ASTM D 86
37	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation (temperature @ prescribed % recovered)	IS 1448 (Part 18)

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation Loss	ASTM D 86
39	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation Residue	ASTM D 86
40	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation Residue	IS 1448 (Part 18)
41	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Existent Gum	ASTM D 381
42	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Existent Gum	IS 1448 (Part 29)
43	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Reid Vapour Pressure	ASTM D 323
44	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Reid Vapour Pressure	IS 1448 (Part 39)
45	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Specific Energy	ASTM D3338
46	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Specific Energy	ASTM D4529
47	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Total Sulphur	ASTM D5453
48	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Water Reaction	ASTM D 1094
49	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Water Reaction	IS 1448 (Part 42)
50	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Acid Value	ASTM D974
51	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Appearance	Visual (IS 15607)
52	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Cold Filter Plug Point Test	IS 1448 (Part 110)
53	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Colour	IS 15607 (Visual)
54	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Copper Strip Corrosion @ 50°C for 3 hrs	IS 1448 (Part 15)
55	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Density @ 15°C	ASTM D4052
56	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Density @ 15°C	IS 1448 (Part 16)

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Density @ 15°C	IS 1448 (Part 167)
58	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Flash Point (PMCC)	IS 1448 (Part 21)
59	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Iodine Value	EN 14111
60	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Kinematic Viscosity @ 40.0°C	ASTM D445
61	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Kinematic Viscosity @ 40.0°C	ASTM D7042
62	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Kinematic Viscosity @ 40.0°C	IS 1448 (Part 25/Section 1)
63	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Oxidation Stability @ 110°C, Accelerated	EN 15751
64	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Sulfated Ash	IS 1448 (Part 187)
65	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Total Contamination	EN 12662
66	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Total Sulphur	ASTM D5453
67	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel (B100) - Fatty Acid Methyl Ester	Water Content	IS 1448 (Part 182)
68	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Appearance	Visual
69	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Aromatics	ASTM D 1319
70	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Aromatics	IS 1448 (Part 23)
71	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Colour	ASTM D 156
72	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Colour	IS 1448 (Part 14)
73	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Copper Strip Corrosion Test	ASTM D 130
74	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Copper Strip Corrosion Test	IS 1448 (Part 15)
75	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Density	ASTM D 1298

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76	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Density	ASTM D 4052
77	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Density	IS 1448 (Part 16)
78	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Distillation (Temperature @ prescribed % recovered)	ASTM D 86
79	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Distillation (Temperature @ prescribed % recovered)	IS 1448 (Part 18)
80	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Distillation Loss	ASTM D 86
81	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Distillation Loss	IS 1448 (Part 18)
82	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Distillation Residue	ASTM D 86
83	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Distillation Residue	IS 1448 (Part 18)
84	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Electrical Conductivity	ASTM D 2624
85	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Electrical Conductivity	ISO 6297
86	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Flash Point	IP 170
87	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Flash Point	IS 1448 (Part 20)
88	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Flash Point	ISO 13736
89	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Freezing Point	ASTM D 2386
90	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Freezing Point	ASTM D 7153
91	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Freezing point	IS 1448 (Part 11)
92	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Kinematic Viscosity	ASTM D 445
93	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Kinematic Viscosity	ASTM D 7042
94	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Kinematic Viscosity	IS 1448 (Part 25) Section 1

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95	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Naphthalene	ASTM D 1840
96	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Naphthalene	IS 1448 (Part 118)
97	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Silver Strip Corrosion Test	IS 1571 (Annexure B)
98	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Smoke Point	ASTM D 1322
99	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Smoke Point	IS 1448 (Part 31)
100	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Smoke Point	ISO 3014
101	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Specific Energy	ASTM D 3338
102	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Sulphur Mercaptan	ASTM D 3227
103	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Sulphur Mercaptan	IS 1448 (Part 109)
104	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Total Acidity	ASTM D 3242
105	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Total Acidity	IS 1448 (Part 113)
106	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Total Sulphur	ASTM D 4294
107	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Water Reaction	ASTM D 1094
108	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	Water Reaction	IS 1448 (Part 42)
109	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Appearance	Visual
110	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour	ASTM D 156
111	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour	IS 1448 (Part 14)
112	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion Test	IS 1448 (Part 15)
113	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density	ASTM D 1298

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114	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density	ASTM D 4052
115	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density	IS 1448 (Part 16)
116	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation (Recovery up to prescribed temperature)	ASTM D 86
117	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation (Recovery up to prescribed temperature)	IS 1448 (Part 18)
118	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point	IP 170
119	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point	IS 1448 (Part 20)
120	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point	ISO 13736
121	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	ASTM D 1322
122	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IS 1448 (Part 31)
123	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	ISO 3014
124	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D 4294
125	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Appearance	Visual
126	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip Corrosion Test	IS 1448 (Part 15)
127	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density	IS 1448 (Part 16)
128	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation (% evaporated @ prescribed temperature)	ASTM D 86
129	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation (% evaporated @ prescribed temperature)	IS 1448 (Part 18)
130	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation (Final Boiling Point)	ASTM D 86
131	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation (Final Boiling Point)	IS 1448 (Part 18)
132	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation Residue	ASTM D 86

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133	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation Residue	IS 1448 (Part 18)
134	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum	IS 1448 (Part 29)
135	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Research Octane Number	ASTM D 2699
136	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Research Octane Number	IS 1448 (Part 27)
137	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Total Sulphur	ASTM D 5453
138	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Total Sulphur	ISO 20846
139	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Appearance	IS 17021 (Visual)
140	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Colour	IS 17021 (Visual)
141	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Copper Strip Corrosion	ASTM D130
142	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Copper Strip Corrosion	IS 1448 (Part 15)
143	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Density @ 15°C	ASTM D4052
144	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Density at 15°C	IS 1448 (Part 16)
145	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Distillation (% Evaporated @ Prescribed Temperature)	ASTM D86
146	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Distillation (% Evaporated @ Prescribed Temperature)	IS 1448 (Part 18)
147	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Distillation (Final Boiling Point)	ASTM D86
148	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Distillation (Final Boiling Point)	IS 1448 (Part 18)
149	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Distillation Residue	ASTM D86
150	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Distillation Residue	IS 1448 (Part 18)
151	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Ethanol Content	IS 17021 Annexure C

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152	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Existent Gum	ASTM D381
153	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Existent Gum	IS 1448 (Part 29)
154	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Research Octane Number	ASTM D2699
155	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Research Octane Number	IS 1448 (Part 27)
156	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Blends of Ethanol and Motor Gasoline	Total Sulphur	ASTM D5453