National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SOUTHERN REGION SMART LABORATORY, INDIAN OIL CORPORATION LIMITED, KORUKKUPET TERMINAL, KATHIVAKKAM HIGH ROAD, KORUKKUPET, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 07/10/2022 to 20/12/2023 **Last Amended on** -

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	Fuel Oil	Ash Content	IS 1448 P:4
2	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Sediment by Extraction	IS 1448 P:30
3	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Acidity, Total	ASTM D3242
4	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Acidity, Total	IS 1448 P:113
5	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Aniline Point	ASTM D611
6	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Aniline Point	IS 1448 P:3
7	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Appearance	BIS Spec.: IS 1587
8	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Aromatics	ASTM D1319
9	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Aromatics	IS 1448 P:23
10	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Colour (Saybolt)	ASTM D156
11	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Colour (Saybolt)	IS 1448 P:14
12	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Copper strip Corrosion test	ASTM D130
13	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Copper Strip Corrosion Test	IS 1448 P:15
14	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Density by Hydrometer	ASTM D1298
15	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Density by Hydrometer	IS 1448 P:16
16	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Density by Hydrometer	ISO 3675
17	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Density, Auto	ASTM D4052
18	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Distillation : Auto	ASTM D86

SCOPE OF ACCREDITATION

Laboratory Name : SOUTHERN REGION SMART LABORATORY, INDIAN OIL CORPORATION LIMITED, KORUKKUPET TERMINAL, KATHIVAKKAM HIGH ROAD, KORUKKUPET, CHENNAI, TAMIL NADU, INDIA

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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
19	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Distillation : Manual	ASTM D86
20	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Distillation : Manual	IS 1448 P:18
21	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Doctor Test	ASTM D4952
22	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Doctor Test	IS 1448 P:19
23	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Existent Gum with Air	ASTM D381
24	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Existent Gum with Air	IS 1448 P:29
25	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Flash Point (PMCC)	ASTM D93
26	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Flash Point (PMCC)	IS 1448 P:21
27	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Flash Point (PMCC)	ISO 2719
28	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Flash Point (PMCC) - Auto	ASTM D93
29	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Flash Point (PMCC) - Auto	ISO 2719
30	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Freezing Point	ASTM D2386
31	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Freezing Point	IS 1448 P:11
32	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Kinematic Viscosity @ -20°C	ASTM D445
33	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Kinematic Viscosity @ -20°C	IS 1448 P:25
34	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Mercaptan Sulphur	ASTM D3227
35	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash point	Mercaptan sulphur	IS 1448 P:109
36	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Microbiological test	IP 385
37	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Naphthalene content	ASTM D1840

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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
38	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Naphthalene content	IS 1448 P:118
39	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Olefins	ASTM D1319
40	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Olefins	IS 1448 P:23
41	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Silver Strip Corrosion Test	IP 227
42	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Smoke Point	ASTM D1322
43	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Smoke Point	IS 1448 P:31
44	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Smoke Point	ISO 3014
45	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Smoke Point Auto	ASTM D1322
46	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Smoke Point Auto	IP 598
47	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Specific Energy	ASTM D3338
48	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Total Sulphur	ASTM D4294
49	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Total Sulphur	ASTM D5453
50	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Water reaction	ASTM D1094
51	CHEMICAL- PETROLEUM AND PRODUCTS	ATF High Flash Point	Water reaction	IS 1448 P:42
52	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Total Sulphur	ASTM D4294
53	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Acidity, Total	ASTM D3242
54	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Acidity, Total	IS 1448 P:113
55	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Aniline Point	ASTM D611
56	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Aniline point	IS 1448 P:3

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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
57	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Appearance	BIS Spec.: IS 1571
58	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Aromatics	ASTM D1319
59	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Aromatics	IS 1448 P:23
60	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Colour (Saybolt)	ASTM D156
61	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Colour (Saybolt)	IS 1448 P:14
62	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Copper Strip Corrosion Test	ASTM D130
63	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Copper strip Corrosion test	IS 1448 P:15
64	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Density by Hydrometer	ASTM D1298
65	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Density by Hydrometer	IS 1448 P:16
66	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Density by Hydrometer	ISO 3675
67	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Density, Auto	ASTM D4052
68	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Distillation : Manual	IS 1448 P:18
69	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Distillation : Auto	ASTM D86
70	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Distillation : Manual	ASTM D86
71	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Doctor Test	ASTM D4952
72	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Doctor Test	IS 1448 P:19
73	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Electrical Conductivity	ASTM D2624
74	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Electrical Conductivity	ISO 6297
75	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Existent Gum with Air	ASTM D381

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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
76	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Existent Gum with Air	IS 1448 P:29
77	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Flash Point (Abel)	IP 170
78	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Flash Point (Abel)	IS 1448 P:20
79	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Flash Point (Abel) : Auto	IP 170
80	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Freezing Point	ASTM D2386
81	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Freezing Point	IS 1448 P:11
82	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Kinematic Viscosity @ -20°C	ASTM D445
83	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Kinematic Viscosity @ -20°C	IS 1448 P:25
84	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Mercaptan Sulphur	ASTM D3227
85	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Mercaptan Sulphur	IS 1448: P:109
86	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Microbiological Test	IP 385
87	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Naphthalene Content	ASTM D1840
88	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Naphthalene Content	IS 1448 P:118
89	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Olefins	ASTM D1319
90	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Olefins	IS 1448 P:23
91	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Particulate Contamination (Millipore)	IP 216
92	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Silver Strip Corrosion Test	Annex-B of IS 1571(IP227:1999)
93	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Smoke Point	ASTM D1322
94	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Smoke Point	IS 1448 P:31

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95	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Smoke Point	ISO 3014
96	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Smoke Point, Auto	ASTM D1322
97	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Smoke Point, Auto	IP 598
98	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Specific Energy	ASTM D3338
99	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Total Sulphur	ASTM D5453
100	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Water Detection using Water Detecting Capsule	DGCA Approved method 5-465/2011-A1(2)Dt30.09.2016
101	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Water Reaction	ASTM D1094
102	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Water Reaction	IS 1448 P:42
103	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Appearance	BIS Spec: IS 1460
104	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Biodiesel content	ASTM D7371
105	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Cetane Index	ASTM D4737
106	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Colour ASTM	ASTM D1500
107	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion Test	ASTM D130
108	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion Test	IS 1448 P:15
109	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Hydrometer	ASTM D1298
110	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Hydrometer	IS 1448 P:16
111	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Hydrometer	ISO 3675
112	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density, Auto	ASTM D4052
113	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation : Manual	ASTM D86

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114	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation : Manual	IS 1448 P:18
115	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation : Auto	ASTM D86
116	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Abel): Auto	IP 170
117	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Abel)	IP 170
118	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Abel)	IS 1448 P:20
119	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity at 40°C	IS1448 P:25
120	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic viscosity at 40 °C Auto	ASTM D7042
121	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity at 40°C	ASTM D445
122	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity at 40°C	ISO 3104
123	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	ASTM D97
124	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	IS 1448 P:10
125	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	ISO 3016
126	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Total Sulphur	ASTM D5453
127	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Water content by Karl Fischer	ISO 6296
128	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Aniline Point	ASTM D611
129	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Aniline Point	IS 1448 P:3
130	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Appearance	BIS Spec.: IS 1604
131	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Colour, Visual	BIS Spec.: IS 1604
132	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Copper Strip Corrosion test	ASTM D130

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133	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Copper Strip Corrosion Test	IS 1448 P:15
134	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density by Hydrometer	ASTM D1298
135	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density by Hydrometer	IS 1448 P:16
136	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density by Hydrometer	ISO 3675
137	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density, Auto	ASTM D4052
138	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation : Auto	ASTM D86
139	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation : Manual	ASTM D86
140	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation : Manual	IS 1448 P:18
141	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Existent Gum with Air	ASTM D381
142	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Existent Gum with Air	IS 1448 P:29
143	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Freezing Point	ASTM D2386
144	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Freezing Point	IS 1448 P:11
145	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Microbiological test	IP 385
146	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Total Sulphur	ASTM D4294
147	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Total Sulphur	ASTM D5453
148	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Vapour Pressure - Reid	IP 69
149	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Vapour Pressure, Reid	IS 1448 P:39
150	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Water reaction	ASTM D1094
151	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Water reaction	IS 1448 P:42

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152	CHEMICAL- PETROLEUM AND PRODUCTS	Deionised Water	Appearance	Visual
153	CHEMICAL- PETROLEUM AND PRODUCTS	Deionised water	Electrical Conductivity	MSRR 9435
154	CHEMICAL- PETROLEUM AND PRODUCTS	Deionised Water	pH Value	MSRR 9435
155	CHEMICAL- PETROLEUM AND PRODUCTS	Deionised water	Silica content	MSRR 9435
156	CHEMICAL- PETROLEUM AND PRODUCTS	Deionised water	Total Solid	MSRR 9435
157	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Acid Number	ASTM D664
158	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Acid Number	IS 1448 P:2
159	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Ash Content	ASTM D482
160	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Ash Content	ISO 6245
161	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Calorific Value	IS 1448 P:7
162	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	CCAI (Calculated Carbon Aromaticity Index.	ISO 8217 - Annexure F
163	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Density by Hydrometer	ASTM D1298
164	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Density by Hydrometer	IS 1448 P:16
165	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Density by Hydrometer	ISO 3675
166	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Flash Point (PMCC)	ASTM D93
167	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Flash Point (PMCC)	IS 1448 P:21
168	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Flash Point (PMCC)	ISO 2719
169	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Flash Point (PMCC) : Auto	ASTM D93
170	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Flash Point (PMCC) : Auto	ISO 2719

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171	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Kinematic Viscosity at 50°C	ASTM D445
172	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Kinematic Viscosity at 50°C	IS 1448 P:25
173	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Kinematic Viscosity at 50°C	ISO 3104
174	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Micro Carbon Residue	ISO 10370
175	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Pour Point	ASTM D97
176	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Pour Point	IS 1448 P:10
177	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Pour Point	ISO 3016
178	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Sediment by Extraction	ASTM D473
179	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Total Sulphur	ASTM D2622
180	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Total Sulphur	ASTM D4294
181	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Total Sulphur	ASTM D4294
182	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Water Content by Dean Stark Method	ASTM D95
183	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Water Content by Dean stark Method	IS 1448 P:40
184	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Water Content by Dean Stark Method	ISO 3733
185	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Appearance	Spec.: LSHF HSD-MIL
186	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Cetane Index	ASTM D4737
187	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Colour ASTM	ASTM D1500
188	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Copper Strip Corrosion Test	ASTM D130
189	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Copper Strip Corrosion Test	IS 1448 P:15

SCOPE OF ACCREDITATION

Laboratory Name : SOUTHERN REGION SMART LABORATORY, INDIAN OIL CORPORATION LIMITED, KORUKKUPET TERMINAL, KATHIVAKKAM HIGH ROAD, KORUKKUPET, CHENNAI, TAMIL NADU, INDIA

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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
190	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Density by Hydrometer	ASTM D1298
191	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Density by Hydrometer	IS 1448 P:16
192	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Density by Hydrometer	ISO 3675
193	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Density, Auto	ASTM D4052
194	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Distillation : Auto	ASTM D86
195	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Distillation : Manual	ASTM D86
196	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Distillation : Manual	IS 1448 P:18
197	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Flash Point (PMCC)	ASTM D93
198	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Flash Point (PMCC)	IS 1448 P:21
199	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Flash Point (PMCC)	ISO 2719
200	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Flash Point (PMCC) : Auto	ISO 2719
201	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Flash Point (PMCC): Auto	ASTM D93
202	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Kinematic Viscosity at 40°C	ASTM D445
203	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Kinematic Viscosity at 40°C	IS 1448 P:25
204	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Kinematic viscosity at 40°C	ISO 3104
205	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Kinematic viscosity at 40°C : Auto	ASTM D7042
206	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Particulate contamination by Laboratory Filtration	ASTM D6217
207	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Pour Point	ASTM D97
208	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Pour Point	IS 1448 P:10

SCOPE OF ACCREDITATION

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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
209	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Pour Point	ISO 3016
210	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Total Sulphur	ASTM D2622
211	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Total Sulphur	ASTM D4294
212	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Total Sulphur	ASTM D5453
213	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD	Water content by Karl Fischer	ISO 6296
214	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Apperance	BIS Spec.: IS 1459
215	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour (Saybolt)	ASTM D156
216	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour (Saybolt)	IS 1448 P:14
217	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour, Visual	BIS Spec.: IS 1459
218	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion Test	ASTM D130
219	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion Test	IS 1448 P:15
220	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Hydrometer	ASTM D1298
221	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Hydrometer	IS 1448 P:16
222	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Hydrometer	ISO 3675
223	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density, Auto	ASTM D4052
224	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation : Manual	IS 1448 P:18
225	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation : Auto	ASTM D86
226	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation : Auto	ASTM D86
227	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation : Manual	ASTM D86

SCOPE OF ACCREDITATION

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228	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation : Manual	IS 1448 P:18
229	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation: Manual	ASTM D86
230	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IP 170
231	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IS 1448 P:20
232	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel) : Auto	IP 170
233	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	ASTM D1322
234	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IS 1448 P:31
235	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point : Auto	ASTM D1322
236	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point : Auto	IP 598
237	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D2622
238	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D4294
239	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D5453
240	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Ash (Sulphated)	ASTM D874
241	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Ash (Sulphated)	IS 1448 P:4
242	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Flash Point (PMCC)	ASTM D93
243	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Flash Point (PMCC)	IS 1448 P:21
244	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Flash Point (PMCC)	ISO 2719
245	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Flash Point (PMCC) : Auto	ASTM D93
246	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Flash Point (PMCC) : Auto	ISO 2719

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247	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Kinematic viscosity @ 40°C	ASTM D445
248	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Kinematic Viscosity @ 40°C	IS 1448 P:25
249	CHEMICAL- PETROLEUM AND PRODUCTS	Lube Oil	Kinematic viscosity at 40 °C (Auto)	ASTM D7042
250	CHEMICAL- PETROLEUM AND PRODUCTS	Methanol Water Mixture	Appearance	Visual
251	CHEMICAL- PETROLEUM AND PRODUCTS	Methanol Water Mixture	Electrical Conductivity	MSRR 9435
252	CHEMICAL- PETROLEUM AND PRODUCTS	Methanol Water Mixture	Total Solids	MSRR 9359
253	CHEMICAL- PETROLEUM AND PRODUCTS	Methanol-Water Mixture	Acidity as Formic Acid	MSRR 9359
254	CHEMICAL- PETROLEUM AND PRODUCTS	Methanol-Water Mixture	Density, Relative	MSRR 9359
255	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Appearance	BIS Spec.: IS 2796
256	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Aromatics	ASTM D1319
257	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Aromatics	IS 1448 P:23
258	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Colour, Visual	BIS Spec.: IS 2796
259	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper strip Corrosion Test	ASTM D130
260	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip Corrosion Test	IS 1448 P:15
261	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density by Hydrometer	ASTM D1298
262	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density by Hydrometer	IS 1448 P:16
263	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density by Hydrometer	ISO 3675
264	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density, Auto	ASTM D4052
265	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Manual	ASTM D86

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266	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Auto	ASTM D86
267	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Auto	ASTM D86
268	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Manual	ASTM D86
269	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation : Manual	IS 1448 P:18
270	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation: Manual	IS 1448 P:18
271	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Ethanol Content	ASTM D5845
272	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum with Air	ASTM D381
273	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum With Air	IS 1448 P:29
274	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Research Octane Number	ASTM D2699
275	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Research Octane number	IS 1448 P:27
276	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Total Sulphur	ASTM D2622
277	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Total Sulphur	ASTM D5453
278	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Vapour Pressure, Reid	IP 69
279	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Vapour Pressure, Reid	IS 1448 P:39
280	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Appearance	Agreed Spec
281	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Aromatics	ASTM D1319
282	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Aromatics	IS 1448 P:23
283	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Calorific Value	IS 1448 P:7
284	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Colour, Visual	Agreed Spec

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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
285	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Density by Hydrometer	ASTM D1298
286	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Density by Hydrometer	IS 1448 P:16
287	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Density by Hydrometer	ISO 3675
288	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Density, Auto	ASTM D4052
289	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Distillation : Auto	ASTM D86
290	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Distillation : Auto	ASTM D86
291	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Distillation : Manual	ASTM D86
292	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Distillation : Manual	ASTM D86
293	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Distillation : Manual	IS 1448 P:18
294	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Distillation : Manual	IS 1448 P:18
295	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Existent Gum With Air	ASTM D381
296	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Existent gum with Air	IS 1448 P:29
297	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Non Volatile Matter .	IS 1448 P:64
298	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Olefins	ASTM D1319
299	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Olefins	IS 1448 P:23
300	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Total Sulphur	ASTM D2622
301	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Total Sulphur	ASTM D4294
302	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Vapour Pressure, Reid	IP 69
303	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Vapour Pressure, Reid	IS 1448 P:39