National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANGALORE SMART LABORATORY, INDIAN OIL CORPORATION LIMITED, PANAMBUR, MANGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 06/01/2023 to 05/10/2024 **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	KEROSENE	Colour	ASTM D156
2	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Colour	IS 1448 P14
3	CHEMICAL- PETROLEUM AND PRODUCTS	ADDITIVE	Appearance	Visual : SOP-42
4	CHEMICAL- PETROLEUM AND PRODUCTS	ADDITIVE	Colour (ASTM)	ASTM D1500
5	CHEMICAL- PETROLEUM AND PRODUCTS	ADDITIVE	Density by Digital Density Meter	ASTMD 4052
6	CHEMICAL- PETROLEUM AND PRODUCTS	ADDITIVE	Density by Hydrometer	IS 1448 P16
7	CHEMICAL- PETROLEUM AND PRODUCTS	ADDITIVE	Flash Point (P&M)	ASTM D93
8	CHEMICAL- PETROLEUM AND PRODUCTS	ADDITIVE	Flash Point (P&M)	ISO 2719
9	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Appearance	IS 1460
10	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Cetane Index (Calculated)	ISO 4264
11	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Colour	ASTM D1500
12	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Copper Strip Corrosion Test	IS 1448 P15
13	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Density by Hydrometer	IP 160
14	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Density by Hydrometer	ISO 3675
15	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Distillation	IP 123
16	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Distillation	IS 1448 P18
17	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Ash Content	ASTM D482
18	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Ash Content	IS 1448 P4

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19	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Cetane Index (Calculated)	ASTM D4737
20	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Flash Point (Abel)	IP 170
21	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Flash Point (Abel)	IS 1448 P20
22	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Flash Point (Abel)	ISO 13736
23	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Flash Point (PMCC)	ASTM D93
24	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Flash Point (PMCC)	IP 34
25	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Flash Point (PMCC)	IS 1448 P21
26	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Flash Point (PMCC)	ISO 2719
27	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Kinematic Viscosity @40°C	ASTM D445
28	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Kinematic Viscosity @40°C	IP 71
29	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Kinematic Viscosity @40°C	ISO 3104
30	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Total Sulfur	ISO 13032
31	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Copper Strip Corrosion Test	ASTM D130
32	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Copper Strip Corrosion Test	IP 154
33	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Density by Hydrometer	ASTM D 1298
34	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Distillation	ASTM D86
35	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Kinematic Viscosity @40°C	ASTM D7042
36	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Pour Point	ASTM D97
37	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Pour Point	IP 15

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38	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Pour Point	IS 1448 P10
39	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Pour Point	ISO 3016
40	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Carbon Residue (Micro)	ASTM D4530
41	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Carbon Residue (Micro)	ISO 10370
42	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Cetane Index (Calculated)	IP 380
43	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Copper Strip Corrosion Test	ISO 2160
44	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Density by Digital Density Meter	ASTMD 4052
45	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Distillation	ISO 3405
46	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Kinematic Viscosity @40°C	IS 1448 P25
47	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Density by Digital Density Meter	ASTM D 4052
48	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Density by Hydrometer	ASTM D 1298
49	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Density by Hydrometer	IP 160
50	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Density by Hydrometer	ISO 3675
51	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Freezing Point	ASTM D 2386
52	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Freezing Point	ISO 3013
53	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Distillation (Auto)	ASTM D 86
54	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Distillation (Manual)	ASTM D 86
55	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Distillation (Manual)	IP 123
56	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Distillation (Manual)	IS 1448 P20

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57	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Distillation (Manual)	ISO 3405
58	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Copper Strip Corrosion Test	ISO 2160
59	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Existent Gum	ASTM D 381
60	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Existent Gum	ISO 6246
61	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Appearance	ASTM 4176 PROCEDURE -I
62	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Copper Strip Corrosion	IP 154
63	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Copper Strip Corrosion Test	ASTM D 130
64	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Copper Strip Corrosion Test	IS 1448 P:15
65	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Density by Hydrometer	IS 1448 P16
66	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Existent Gum	IS 1448 P29
67	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Existent Gum	IP 1312
68	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Flash Point (Abel)	IP 170
69	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Flash Point (Abel)	IS1448 P20
70	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Flash Point (Abel)	ISO 13736
71	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Freezing Point	IP 16
72	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Freezing Point	IS 1448 P11
73	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Water Reaction	ASTM D 1094
74	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Water Reaction	IP 289
75	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(High Flash)	Water Reaction	IS 1448 P42

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76	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Density by Digital Density Meter	ASTM D 4052
77	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Flash Point (Abel)	IP 170
78	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Flash Point (Abel)	ISO 13736
79	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Freezing Point	IP 16
80	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Freezing Point	ISO 3013
81	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Freezing Point	ASTM D 2386
82	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Distillation	ASTM D86
83	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Distillation	ISO 3405
84	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Colour (Saybolt)	ASTM D156
85	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Colour (Saybolt)	IS 1448 P14
86	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Distillation	IP 123
87	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Electrical Conductivity	ASTM D 2624
88	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Existent Gum	ASTM D 381
89	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Copper Strip Corrosion Test	ASTM D130
90	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Copper Strip Corrosion Test	IP 154
91	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Copper Strip Corrosion Test	IS 1448 P:15
92	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Copper strip Corrosion test	ISO 2160
93	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Density by Hydrometer	ASTM D1298
94	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Density by Hydrometer	IP 160

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95	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Density by Hydrometer	IS 1448 P:16
96	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Density by Hydrometer	ISO 3675
97	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Distillation	IS 1448 P18
98	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Doctor Test	IP 30
99	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Doctor Test	IS 1448 P19
100	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Electrical Conductivity	ISO 6297
101	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Existent Gum	IP 131
102	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Existent Gum	IS 1448 P29
103	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Existent Gum	ISO 6246
104	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Flash Point (Abel)	IS 1448 P20
105	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Freezing Point	IS 1448 P11
106	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Sulfur Mercaptan	ASTM D3227
107	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Sulfur Mercaptan	IP 342
108	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Sulphur Mercaptan	IS 1448 P109
109	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Water Reaction	ASTM D 1094
110	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Water Reaction	IP 289
111	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL(Jet A-1)	Water Reaction	IS 1448 P42
112	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels(Jet-A-1)	Appearance (Visual)	IS 1571
113	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Density by Densitymeter	ASTM D4052

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114	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Ash Content	ASTM D874
115	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Ash Content	IP 4
116	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Calorific value	ASTM D4868
117	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Calorific value	IS 1448 P7
118	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Carbon Residue	ASTM D4530
119	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Carbon Residue	IS 1448 P122
120	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Carbon Residue	ISO 10370
121	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Density by Hydrometer	ASTM D1298
122	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Density by Hydrometer	IP 160
123	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Density by Hydrometer	IS 1448 P16
124	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Density by Hydrometer	ISO 3675
125	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Flash Point (PMCC)	ASTM D93
126	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Flash Point (PMCC)	IP 34
127	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Flash Point (PMCC)	IS1448 P21
128	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Flash Point (PMCC)	ISO 2719
129	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Kinematic Viscosity @50°C	ASTM D7042
130	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Kinematic Viscosity @50°C	IP 71
131	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Kinematic Viscosity @50°C	IS 1448 P25
132	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Pour Point	ASTM D97

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133	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Pour Point	IP 15
134	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Pour Point	ISO 3016
135	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Pour Point	IS 1448 P10
136	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Sediments by Extraction	ASTM D473
137	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Sediments by Extraction	IS 1448 P30
138	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Sediments by Extraction	ISO 3735
139	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Total Sulfur	ASTM D4294
140	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Total Sulfur	ISO 8754
141	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Water Content	ASTM D95
142	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Water Content	IS 1448 P40
143	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Water Content	ISO 3733
144	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Kinematic Viscosity @50°C	ISO 3104
145	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Ash content	IS 1448 P4
146	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Density by Digital Density Meter	ASTMD 4052
147	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Density by Hydrometer	ASTM D1298
148	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Flash Point (Abel)	IP 170
149	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Flash Point (Abel)	IS 1448 P20
150	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Flash Point (Abel)	ISO 13736
151	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Distillation	ASTM D86

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152	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Distillation	ISO 3405
153	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Smoke point	ASTM D1322
154	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Smoke point	IP 57
155	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Smoke point	IS 1448 P31
156	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Total Sulfur Content	ASTM D4294
157	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Total Sulfur Content	ASTM D5453
158	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Copper Strip Corrosion Test	IP 154
159	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Copper Strip Corrosion Test	ISO 2160
160	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Copper Strip Corrosion Test	ASTM D130
161	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Copper Strip Corrosion Test	IS 1448 P15
162	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Density by Hydrometer	IS 1448 P16
163	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Appearance	IS 1459
164	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Colour	IS 1459
165	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Density by Digital Density Meter	ASTM D4052
166	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Distillation	IS 1448 P18
167	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Distillation	IS 1448 P18
168	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Ash Content	ASTM D482
169	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Ash Content	IS 1448 P4
170	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Carbon Residue (Micro)	ISO 10370

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171	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Cetane Index (calculated)	ASTM D4737
172	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Copper Strip Corrosion test @100°C	ASTM D30
173	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Copper Strip Corrosion test @100°C	IS 1448 P15
174	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Copper Strip Corrosion test @100°C	ISO 2160
175	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Density by Hydrometer	IP 160
176	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Distillation	ASTM D86
177	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Distillation	ASTM D86
178	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Distillation	IP 123
179	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Distillation	IS 1448 P18
180	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Distillation	ISO 3405
181	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Flash Point (PMCC)	IP 34
182	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Flash Point (PMCC)	IS 1448 P21
183	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Flash Point (PMCC)	ISO 2719
184	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Kinematic Viscosity @40°C	ASTM D445
185	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Kinematic Viscosity @40°C	IS 1448 P25
186	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Kinematic Viscosity @40°C	ISO 3104
187	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Copper Strip Corrosion test @100°C	IP 154
188	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Density by Digital Density Meter	ASTM D4052
189	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Flash Point (PMCC)	ASTM D93

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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	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Pour Point	ASTM D97
191	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Pour Point	IP 15
192	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Pour Point	ISO 3016
193	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Total Sulfur	ASTM D5453
194	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Density by Hydrometer	IS 1448 P16
195	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Kinematic Viscosity @40°C	ASTM D7042
196	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Appearance	ASTM D4176
197	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Carbon Residue (Micro)	ASTM D4530
198	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Colour	ASTM D1500
199	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Kinematic Viscosity @40°C	IP 71
200	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Particulate Contamination Test	D6217
201	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Pour Point	IS 1448 P10
202	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Total Sulfur	ASTM D4294
203	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulfur High Flash HSD (MIL-DTL-16884M)	Trace Elements Analysis	ASTM D7111
204	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Kinematic Viscosity @50°C	ASTM D 445
205	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Ash Content	ASTM D482
206	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Ash Content	ISO 6245
207	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Calculated Carbon AromaticityIndex (CCAI)	ISO 8217 Annex.F
208	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Carbon Residue	ASTM D4530

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209	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Carbon Residue	ISO 10370
210	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Density by Densitometer	ASTM D4052
211	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Density by Digital Density Meter	ASTMD 4052
212	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Density by Hydrometer	ASTM D1298
213	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Density by Hydrometer	ISO 3675
214	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Flash Point (PMCC)	ASTM D93
215	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Flash Point (PMCC)	ISO 2719
216	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Pour Point	ASTM D97
217	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Pour Point	ISO 3016
218	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Total Sulfur	ASTM D4294
219	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Total Sulfur	ISO 8754
220	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Trace Elements Analysis	IP501
221	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Water Content	ASTMD 95
222	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuel (0.5% FO)	Water Content	ISO 3733
223	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Vapour Pressure, Reid	ASTM D323
224	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Aromatics	IP 156
225	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Aromatics	ISO 3837
226	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Copper Strip Corrosion Test	IS 1448 P15
227	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Existent Gum	ASTM D 381

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228	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Existent Gum	ASTM D 381
229	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Existent Gum	IP 131
230	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Existent Gum	IS 1448 P29
231	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Existent Gum	IS 1448 P29
232	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Existent Gum	ISO 6246
233	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Olefins	ASTM D 1319
234	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Olefins	IP 156
235	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Olefins	IS 1448 P23
236	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Olefins	ISO 3837
237	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Total Sulfur	ASTM D 5453
238	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Total Sulfur	ISO 13032
239	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Total Sulfur	ISO 20847
240	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Vapour Pressure, Reid	IS 1448 P39
241	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Vapour Pressure, Reid	ISO 3007
242	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Aromatics	ASTM D1319
243	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Copper Strip Corrosion Test	ASTM D130
244	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Distillation	ASTMD 86
245	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Distillation	IP 123
246	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Distillation	IS 1448 P18

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247	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Distillation	ISO 3405
248	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Distillation	ISO 3405
249	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Copper Strip Corrosion Test	IP 154
250	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Existent Gum	ISO 6246
251	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Copper Strip Corrosion Test	ISO 2160
252	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Existent Gum	IP 131
253	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Vapour Pressure, Reid	IP 69
254	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Appearance	IS 2796
255	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Aromatics	IS 1448 P23
256	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Colour Visual	IS 2796
257	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Density by Digital Density Meter	ASTMD 4052
258	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Density by Hydrometer	ASTM D1298
259	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Density by Hydrometer	IP 160
260	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Density by Hydrometer	IS 1448 P16
261	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Density by Hydrometer	ISO 3675
262	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Distillation	ASTMD 86
263	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Distillation	IP 123
264	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Distillation	IS 1448 P18