National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HINDUSTAN PETROLEUM CORPORATION LIMITED, QUALITY CONTROL LABORATORY, BENGALURU TERMINAL, BENGALURU TERMINAL, DEVANAGONTHI, HOSKOTE TALUK, BENGALURU, BENGALURU RURAL, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 31/08/2022 to 06/09/2023 **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	Automotive Diesel Fuel (ADU) / High Speed Diesel (HSD)	Appearance	HP/WI/11 Issue No.01 JAN 03 2019
2	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU) / High Speed Diesel (HSD)	Colour	HP/WI/12 Issue No.01 JAN 03 2019
3	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU) / High Speed Diesel (HSD)	Density	ASTM D1298
4	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU) / High Speed Diesel (HSD)	Density	ASTM D4052
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU) / High Speed Diesel (HSD)	Density	IS 1448 (P-16)
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU) / High Speed Diesel (HSD)	Density	ISO 3675
7	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU) / High Speed Diesel (HSD)	Distillation -temperature	ASTM D86
8	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU) / High Speed Diesel (HSD)	Distillation-temperature	IS 1448 (Part 18)
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU) / High Speed Diesel (HSD)	Distillation-temperature	ISO 3405
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Calculated Cetane Index	ASTM D 4737
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Copper strip Corrosion test	ASTM D 130
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Copper strip Corrosion test	IS 1448 (Part 15)
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Copper strip Corrosion test	ISO 2160
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Flash Point -Abel	IP 170
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Flash Point -Abel	IS 1448 (Part 20)
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Flash Point- PMCC	ASTM D93
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Flash Point- PMCC	IS 1448 (Part 21)
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Kinematic Viscosity @40 degC	ASTM D445

SCOPE OF ACCREDITATION

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Kinematic Viscosity @40 degC	IS 1448 (Part 25)
20	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Pour Point	ASTM D97
21	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Pour Point	IS 1448 (Part 10)
22	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Pour Point	ISO 3016
23	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Sulphur, Total	ASTM D5453
24	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel / High Speed Diesel (HSD)	Sulphur, Total	ISO 20846
25	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Aniline point	IS 1448 (Part 3)
26	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Aniline point	ISO 2977
27	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	API gravity	IS 1571 (Table 1 Note 9)
28	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Appearance	HP/WI/11 Issue No.01 JAN 03 2019
29	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Aromatics	ASTM D1319
30	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Aromatics	IS 1448 (Part 23)
31	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Colour	HP/WI/12 Issue No.01 JAN 03 2019
32	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Colour (Saybolt)	ASTM D 6045
33	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Colour (Saybolt)	ASTM D-156
34	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Colour (Saybolt)	IS 1448 (Part 14):
35	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Copper Strip Corrosion Test	ASTM D 130
36	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Copper Strip Corrosion Test	IS 1448 (Part 15)
37	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Copper Strip Corrosion Test	ISO 2160

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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	Aviation Turbine Fuel (ATF)	Density	ASTM D 1298
39	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Density	ASTM D 4052
40	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Density	IS 1448 (Part 16)
41	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Density	ISO 3675
42	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation Temperature	ASTM D 86
43	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation Temperature	ASTM D 86
44	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation Temperature	ASTM D 86
45	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation Temperature	IS 1448 (Part 16)
46	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation Temperature	IS 1448 (Part 18)
47	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation Temperature	IS 1448 (Part 18)
48	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation Temperature	ISO 3405
49	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation Temperature	ISO 3405
50	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation Temperature	ISO 3405
51	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation, Loss	ASTM D 86
52	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation, Loss	IS 1448 (Part 16)
53	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation, Loss	ISO 3405
54	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation, Residue	ASTM D 86
55	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation, Residue	IS 1448 (Part 18)
56	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation, Residue	ISO 3405

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Doctor Test	IS 1448 (Part 19)
58	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Electrical conductivity	ASTM D 2624
59	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Electrical conductivity	IP 274
60	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Electrical conductivity	ISO 6297
61	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Existent Gum content	ASTM D 381
62	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Existent Gum content	IS 1448 (Part 29)
63	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Existent Gum content	ISO 6246
64	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Flash point, Abel	IP 170
65	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Flash Point, Abel	IS 1448 (Part 20)
66	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Freezing point	ASTM D 2386
67	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Freezing point	IS 1448 (Part 11)
68	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Kinematic Viscosity at (-20) degC	ASTM D 445
69	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Kinematic Viscosity at (-20) degC	IS 1448 (Part 25)
70	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Naphthalenes	ASTM D 1840
71	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Naphthalenes	IS 1448 (Part 118)
72	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Olefin content	ASTM D1319
73	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Olefin content	IS 1448 (Part 23)
74	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Particulate contaminant	ASTM D 2276
75	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Particulate contaminant	IP 216

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76	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Silver Strip Corrosion Test	IS 1571 (Annex B)
77	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Smoke Point	ASTM D 1322
78	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Smoke Point	IS 1448 (Part 31)
79	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Smoke Point	ISO 3014
80	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Specific Energy	ASTM D 3338
81	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Sulfur as (Thiol) Mercaptan	ASTM D 3227
82	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Sulfur as (Thiol) Mercaptan	IS 1448 (Part 109)
83	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Sulphur, Total	ASTM D 5453
84	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Sulphur, Total	ISO 20846
85	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Total acidity	IS 1448 (Part 113)
86	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water reaction-Interface rating	ASTM D 1094
87	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water reaction-Interface rating	IS 1448 (Part 42)
88	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water reaction-Interface rating	ISO 6250
89	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water reaction-separation rating	ASTM D 1094
90	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water reaction-Separation rating	IS 1448 (Part 42)
91	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water reaction-separation rating	ISO 6250
92	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Density	ASTM D 1298
93	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Density	ASTM D 4052
94	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Flash Point-Abel	IS 1448 (Part 20)

SCOPE OF ACCREDITATION

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95	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Smoke Point	ISO 3014
96	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Appearance	HP/WI/11 Issue No.01 JAN 03 2019
97	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Colour	HP/WI/12 Issue No.01 JAN 03 2019
98	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Colour (saybolt)	ASTM D 156
99	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Colour (saybolt)	ASTM D 6045
100	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Colour (Saybolt)	IS 1448 (Part 14)
101	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Copper strip Corrosion test	ASTM D130
102	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Copper strip Corrosion test	IS 1448 (Part 15)
103	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Copper strip Corrosion test	ISO 2160
104	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Density	IS 1448 (Part 16)
105	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Density	ISO 3675
106	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Distillation- Temperature	ASTM D 86
107	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Distillation- Temperature	IS 1448 (Part 18)
108	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Distillation -Temperature	ISO 3405
109	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Flash Point - Abel	IP 170
110	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Smoke Point	ASTM D1322
111	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Smoke Point	IS 1448 (Part 31)
112	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Sulphur Total	ISO 20846
113	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene / Super Kerosene Oil (SKO)	Sulphur, Total	ASTM D 5453

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114	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Aniline point	IS 1448 (Part 3)
115	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Aniline point	ISO 2977
116	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Appearance	HP/WI/11 Issue No.: 01 January 03 2019
117	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Colour	HP/WI/12 Issue No.: 01 January 03 2019
118	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Copper Strip Corrosion test	ASTM D130
119	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Copper Strip Corrosion test	IS 1448 (Part 15)
120	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Copper Strip Corrosion test	ISO 2160
121	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Density	ASTM D 1298
122	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Density	ASTM D 4052
123	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Density	IS 1448 (Part 16)
124	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Density	ISO 3675
125	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Emulsion characteristics (at 54 deg C & 82 degC)	ASTM D 1401
126	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Flash Point - PMCC	ASTM D 93
127	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Flash point (COC)	ASTM D 92
128	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Flash point (COC)	IS 1448 (Part 69)
129	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Flash point-PMCC	IS 1448 (Part 21)
130	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Foaming Tendency / Stability (Sequence I , II , III)	ASTM D892
131	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Kinematic Viscosity (@100 degC)	ASTM D 445
132	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Kinematic Viscosity (@100 degC)	IS 1448 (Part 25)

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133	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Kinematic Viscosity (@40 degC)	IS 1448 (Part 25)
134	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Kinematic Viscosity (@40 degC)	ASTM D 445
135	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Pour Point	ASTM D 97
136	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Pour Point	IS 1448 (Part 10)
137	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Pour point	ISO 3016
138	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Total Acid Number (TAN)	ASTM D 974
139	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Total Acid Number (TAN)	ASTM D664
140	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Total Base Number (TBN)	ASTM D 2896
141	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Total Base Number (TBN)	IS 1448 (Part 86)
142	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Viscosity Index	ASTM D 2270
143	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Viscosity Index	IS 1448 (Part 56)
144	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Water content	ASTM D 6304
145	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Water content	ASTM D 95
146	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Water content	IS 1448 (Part 40)
147	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricants	Water content	ISO 12937
148	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Appearance	HP/WI/11 Issue No.01 JAN 03 2019
149	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Colour	HP/WI/12 Issue No.01 JAN 03 2019
150	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Density	IS 1448 (P-16)
151	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Density	ISO 3675

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152	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Aromatics	ASTM D1319
153	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Aromatics	IS 1448 (Part 23)
154	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Copper strip Corrosion test	ASTM D130
155	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Copper strip Corrosion test	IS 1448 (Part 15)
156	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Copper strip Corrosion test	ISO 2160
157	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Density	ASTM D1298
158	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Density	ASTM D4052
159	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation - temperature	ISO 3405
160	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation (percent evaporated / recovered)	ASTM D 86
161	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation (percent evaporated / recovered)	ASTM D 86
162	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation (percent evaporated / recovered)	ASTM D 86
163	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation (percent evaporated / recovered)	IS 1448 (Part 18)
164	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation (percent evaporated / recovered)	IS 1448 (Part 18)
165	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation (percent evaporated / recovered)	IS 1448 (Part 18)
166	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation (percent evaporated / recovered)	ISO 3405
167	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation (percent evaporated / recovered)	ISO 3405
168	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation (percent evaporated / recovered)	ISO 3405
169	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation -temperature	ASTM D86
170	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation -temperature	IS 1448 (Part 18)

SCOPE OF ACCREDITATION

Laboratory Name : HINDUSTAN PETROLEUM CORPORATION LIMITED, QUALITY CONTROL LABORATORY, BENGALURU TERMINAL, BENGALURU TERMINAL, DEVANAGONTHI, HOSKOTE TALUK, BENGALURU, BENGALURU RURAL, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8477 **Page No** 10 of 10

Validity 31/08/2022 to 06/09/2023 **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
171	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation, Residue	IS 1448 (Part 18)
172	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation, Residue	ISO 3405
173	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Distillation-Residue	ASTM D86
174	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Gum (Solvent washed / unwashed)	IS 1448 (Part 18)
175	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Gum (Solvent washed / unwashed)	ASTM D381
176	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Gum (Solvent washed / unwashed)	ISO 6246
177	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Olefins	ASTM D1319
178	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Olefins	IS 1448 (Part 23)
179	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Research Octane Number (RON)	ASTM D 2699
180	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Research Octane Number (RON)	IS 1448 (Part 27)
181	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Sulphur, Total	ASTM D5453
182	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG) / Motor spirit (MS)	Sulphur, Total	ISO 20846