National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, HINDUSTAN PETROLEUM CORPORATION LIMITED, MANGALORE POL TERMINAL, MANGALORE, VILLAGE BALA, VIA KATIPALLA, MANGALORE, KARNATAKA, 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	Automotive Diesel Fuel (ADU)	Appearance	HP/WI/21 Issue No.03, 04 July
2	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Cetane Index (Calculated)	ASTM D 4737
3	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Colour, Visual	HP/WI/21 Issue No.03, 04 July
4	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Copper Strip corrosion test	ASTM D 130
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Copper Strip corrosion test	IS 1448 : P 15
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Density	IS 1448: P 16
7	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Density	ASTM D 4052
8	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Distillation - % Vol recovery / Evaporation	ASTM D 86
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Distillation - % Vol recovery / Evaporation	IS 1448 : P 18
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Distillation - Residue	IS 1448 : P 18
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Distillation - Residue	ASTM D 86
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Distillation - Temperature (°C)	IS 1448 : P 18
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Distillation - Temperature (°C)	ASTM D 86
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Flash point - Abel	IP 170
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Flash point - Abel	IS 1448 : P 20
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Flash point - PMCC	ASTM D 93
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Flash point - PMCC	IS 1448 : P 21
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Kinematic Viscosity @ 40°C	ASTM D 445

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Kinematic Viscosity @ 40°C	IS 1448 : P 25
20	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Pour Point	ASTM D 97
21	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Pour Point	IS 1448 : P 10 (SEC 2)
22	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Sulphur Total	ASTM D 5453
23	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADU)	Sulphur Total	ISO 20846
24	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Acidity, Total	IS 1448 : P 113
25	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Appearance	HP/WI/21 Issue No.03, 04 July
26	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Aromatics	ASTM D 1319
27	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Aromatics	IS 1448 : P 23
28	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Colour	ASTM D 156
29	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Colour, Visual	HP/WI/21 Issue No.03, 04 July
30	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Copper Strip corrosion test	ASTM D 130
31	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Copper Strip corrosion test	IS 1448 : P 15
32	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Density	ASTM D 4052
33	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Density	IS 1448: P 16
34	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation - Temperature (°C)	ASTM D 86
35	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation - Temperature (°C)	IS 1448 : P 18
36	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation - % Vol recovery / Evaporation	IS 1448 : P 18
37	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation - % Vol recovery / Evaporation	ASTM D 86

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation - Loss (% by Vol)	ASTM D 86
39	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation - Loss (% by Vol)	IS 1448 : P 18
40	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation - Residue (% by Vol)	IS 1448 : P 18
41	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation -Residue (% by Vol)	ASTM D 86
42	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Doctor Test	IS 1448: P 19
43	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Electrical Conductivity	ISO 6297
44	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Flash point - Abel	IP 170
45	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Flash point - Abel	IS 1448 : P 20
46	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Freezing Point	ASTM D 2386
47	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Freezing Point	IS 1448 : P 11
48	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Gum content	ASTM D 381
49	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Gum content	IS 1448 : P 29
50	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Kinematic Viscosity @ -20°C	ASTM D 445
51	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Kinematic Viscosity @ -20°C	IS 1448 : P 25
52	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Naphthalene	ASTM D 1840
53	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Naphthalene	IS 1448 : P 118
54	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Particulate contaminant (Millipore test)	IP 216:
55	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Silver Strip corrosion test	Annex B of IS 1571
56	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Smoke Point	ASTM D 1322

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Smoke Point	IS 1448 : P 31
58	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Specific Energy	ASTM D 3338
59	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Sulphur as (Thiol) Mercaptan	IS 1448 : P 109
60	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Sulphur as (Thiol) Mercaptan,	ASTM D 3227
61	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Sulphur Total	ASTM D 4294
62	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water Reaction a) Interface Rating b) Separation Rating	IS 1448 : P: 42
63	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water Reaction a) Interface Rating b) Separation Rating	ASTM D 1094
64	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Density	IS 1448: P 16
65	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Flash point - PMCC	ASTM D 93
66	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Flash point - PMCC	IS 1448 : P 21
67	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Kinematic Viscosity @ 50°C	ASTM D 445
68	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Kinematic Viscosity @ 50°C	IS 1448 : P 25
69	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Pour Point	ASTM D 97
70	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Pour Point	IS 1448 : P 10
71	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Sediments	IS 1448 : P 30
72	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Sulphur Total	ASTM D 4294
73	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil (FO)	Water content	IS 1448 : P 40
74	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Appearance	HP/WI/21 Issue No.03, 04 July
75	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Cetane Index (Calculated)	ASTM D 4737

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76	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Copper Strip corrosion test	ASTM D 130
77	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Copper Strip corrosion test	IS 1448 - P 15
78	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Density	ASTM D 4052
79	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Density	IS 1448: P 16
80	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Distillation - Residue	ASTM D 86
81	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Distillation - Residue	IS 1448 : P 18
82	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Distillation - Temperature (°C)	IS 1448 : P 18
83	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Distillation - % Vol recovery / Evaporation	ASTM D 86
84	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Distillation - % Vol recovery / Evaporation, Rec @350 C	IS 1448 : P 18
85	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Distillation - Temperature (°C)	ASTM D 86
86	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Flash point - PMCC	ASTM D 93
87	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Flash point - PMCC	IS 1448 : P 21
88	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Kinematic Viscosity @ 40°C	ASTM D 445
89	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Kinematic Viscosity @ 40°C	IS 1448 : P 25
90	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Pour Point	ASTM D 97
91	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Pour Point	IS 1448 : P 10
92	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Sulphur Total	ASTM D 4294
93	CHEMICAL- PETROLEUM AND PRODUCTS	kerosene Oil (KO)	Sulphur Total	ASTM D 4294
94	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Appearance	HP/WI/21 Issue No.03, 04 July

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95	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Colour	IS 1448 : P 14
96	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Colour, Visual	HP/WI/21 Issue No.03, 04 July
97	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Copper Strip corrosion test	IS 1448 : P 15
98	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Density	ASTM D 4052
99	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Density	IS 1448: P 16
100	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Distillation - % Vol recovery / Evaporation	ASTM D 86
101	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Distillation - % Vol recovery / Evaporation	IS 1448 : P 18
102	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Distillation - Residue	ASTM D 86
103	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Distillation - Residue (ml)	IS 1448 : P 18
104	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Distillation - Temperature (°C) FBP	ASTM D 86
105	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Distillation - Temperature (°C) FBP	IS 1448 : P 18
106	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Flash point - Abel	IP 170
107	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Flash point - Abel	IS 1448 : P 20
108	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Smoke Point	ASTM D 1322
109	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene oil (KO)	Smoke Point	IS 1448 : P 31
110	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip corrosion test	ASTM D 130
111	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip corrosion test	IS 1448 : P 15
112	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation - Temperature (°C)	IS 1448 : P 18
113	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation - % Vol recovery / Evaporation	ASTM D 86

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114	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation - Residue	ASTM D 86
115	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation - Temperature (°C)	ASTM D 86
116	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Sulphur Total	ASTM D 5453
117	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Sulphur Total	ISO 20846 - 2004 / ASTM D 5453
118	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG)	Appearance	HP/WI/21 Issue No.03, 04 July
119	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG)	Colour, Visual	HP/WI/21 Issue No.03, 04 July
120	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG)	Density	ASTM D 4052
121	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG)	Density	IS 1448: P 16
122	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG)	Distillation - Residue	IS 1448 : P 18
123	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG)	Distillation - % Vol recovery / Evaporation	IS 1448 : P 18
124	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG)	Gum content (Solvent Washed)	IS 1448 : P 29
125	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MG)	Gum content (Solvent Washed)	ASTM D 381