National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QC LAB HPCL, SECUNDERABAD, ANKUSHAPUR, GHATKESAR, MEDCHAL, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 25/08/2022 to 24/08/2024 **Last Amended on** 29/10/2022

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- LUBRICANTS	Lubricant	ASH	ISO 6245
2	CHEMICAL- LUBRICANTS	Lubricant	ASH CONTENT	ASTM D 482
3	CHEMICAL- LUBRICANTS	Lubricant	COC FLASH POINT	ASTM D 92
4	CHEMICAL- LUBRICANTS	Lubricant	COC FLASH POINT	IS 1448 P 69
5	CHEMICAL- LUBRICANTS	Lubricant	DENSITY AT 29.5 DEG.C	ASTM D 4052
6	CHEMICAL- LUBRICANTS	Lubricant	DENSITY AT 29.5 DEG.C	ASTM D1298
7	CHEMICAL- LUBRICANTS	Lubricant	DENSITY AT 29.5 DEG.C	IS 1448 P 16
8	CHEMICAL- LUBRICANTS	Lubricant	DROP POINT	ASTM D 566
9	CHEMICAL- LUBRICANTS	Lubricant	EMULSION CHARACTERISTICS AT 54 DEG.C AND 82 DEG.C	ASTM D1401
10	CHEMICAL- LUBRICANTS	Lubricant	FOAMING TENDENCY, SEQUENCE I,II,II	ASTM D 892
11	CHEMICAL- LUBRICANTS	Lubricant	KINEMATIC VISCOSITY AT 100 DEG.C	ASTM D 445
12	CHEMICAL- LUBRICANTS	Lubricant	KINEMATIC VISCOSITY AT 100 DEG.C	IS 1448 P 25
13	CHEMICAL- LUBRICANTS	Lubricant	PMCC FLASH POINT	ASTM D 93
14	CHEMICAL- LUBRICANTS	Lubricant	PMCC FLASH POINT	IS 1448 P 21
15	CHEMICAL- LUBRICANTS	Lubricant	RUST TEST	ASTM D665
16	CHEMICAL- LUBRICANTS	Lubricant	RUST TEST	IS 1448 P 96
17	CHEMICAL- LUBRICANTS	Lubricant	WATER CONTENT	ASTM D 95
18	CHEMICAL- LUBRICANTS	Lubricant	WATER CONTENT	IS 1448 P 40
19	CHEMICAL- PETROLEUM AND PRODUCTS	ATF/SKO	SULPHUR	ASTM D 4294
20	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	ACIDITY	ASTM D3242
21	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	Acidity Total	IS 1448 P 113
22	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	DISTILLATION, 10% REC AT. DEG. C	ASTM D 86
23	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	DISTILLATION, 10% REC AT. DEG. C	IS 1448 P 18

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24	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	DISTILLATION, 50% REC AT. DEG. C	ASTM D 86
25	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	DISTILLATION, 50% REC AT. DEG. C	IS 1448 P 18
26	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	DISTILLATION, 90% REC AT. DEG. C	ASTM D 86
27	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	DISTILLATION, 90% REC AT. DEG. C	IS 1448 P 18
28	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	DISTILLATION, LOSS % BY VOL.	IS 1448 P18
29	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	DISTILLATION, LOSS,% VOL.	ASTM D 86
30	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	ELECTRICAL CONDUCTIVITY	ASTM D 2624
31	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	ELECTRICAL CONDUCTIVITY	IS 1571 ANNEX B
32	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	ELECTRICAL CONDUCTIVITY	ISO 6297
33	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	EXISTENT GUM	ASTM D 381
34	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	EXISTENT GUM	IS 1448 P29
35	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	FREEZING POINT	IS 1448 P 11
36	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	FREEZING POINT (A)	ASTM D 7153
37	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	FREEZING POINT (M)	ASTM D2386
38	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	KINEMATIC VISCOSITY AT -20 DEG.C	ASTM D 445
39	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	KINEMATIC VISCOSITY AT -20 DEG.C	IP 71
40	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	KINEMATIC VISCOSITY AT -20 DEG.C	IS 1448 P 25
41	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	NAPHTHALENES	IS 1448 P 118
42	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	NAPHTHALENES, % VOL.	ASTM D 1840

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43	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	SILVER STRIP CORROSION TEST FOR 4 HRS AT 50 DEG.C	IS 1571 ANNEX B
44	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	SPECIFIC ENERGY	ASTM D3338
45	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	SULFUR MERCAPTAN	IS 1448 P 109
46	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	TOTAL SULPHUR	ASTM D 5453
47	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel	WATER REACTION: INTERFACE RATING	IS 1448 P 42
48	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel/Motor Spirit	AROMATICS	IS 1448 P 23
49	CHEMICAL- PETROLEUM AND PRODUCTS	GREASE	DROP POINT	IS 1448 P 52
50	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	CETANE INDEX	ASTM D 4737
51	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	DENSITY AT 15 DEG.C	ASTM D1298
52	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	DENSITY AT 15 DEG.C	ASTM D4052
53	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	DENSITY AT 15DEG.C	IS 1448 P 16
54	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	DISTILLATION REC. at 360 deg.C, % VOL.	IS 1448 P 18
55	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	DISTILLATION, 95% REC AT. DEG. C	ASTM D 86
56	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	DISTILLATION, REC AT. 360 DEG. C, % VOL.	ASTM D86
57	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	DISTILLATION, RECOVERY OF 95% AT, DEG.C	IS 1448 P 18
58	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	KINEMATIC VISCOSITY AT 40 DEG.C	ASTM D 445
59	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	KINEMATIC VISCOSITY AT 40 DEG.C	IS 1448 P 25
60	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	POUR POINT	ASTM D 97
61	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	POUR POINT, DEG.C	IS 1448 P 10

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62	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	SULPHUR	ASTM D 4294
63	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel	TOTAL SULPHUR	ASTM D 5453
64	CHEMICAL- PETROLEUM AND PRODUCTS	HSD/SKO/ATF	ABEL FLASH POINT	IP 170
65	CHEMICAL- PETROLEUM AND PRODUCTS	HSD/SKO/ATF	ABEL FLASH POINT	IS 1448 P 20
66	CHEMICAL- PETROLEUM AND PRODUCTS	Lubricant	SULPHATED ASH	ASTM D 874
67	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DENSITY at 15 DEG. C	ASTM D1298
68	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DENSITY AT 15 DEG.C	ASTM D4052
69	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DENSITY AT 15 DEG.C	IS 1448, P: 16
70	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DISTILLATION % REC. AT 100 DEG.C % Vol	IS 1448 P 18
71	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DISTILLATION % REC. AT 150 DEG.C % Vol	IS 1448 P 18
72	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DISTILLATION, % VOL REC. AT 70DEG.C	IS 1448 P 18
73	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DISTILLATION, REC. AT 100 DEG. C, % VOL.	ASTM D86
74	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DISTILLATION, REC. AT 150 DEG. C, % VOL.	ASTM D86
75	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DISTILLATION, REC. AT 70 DEG. C, % VOL.	ASTM D 86
76	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	EXISTENT GUM (SOLVENT WASHED)	IS 1448 P 29
77	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	GUM CONTENT	ASTM D 381
78	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	RON	ASTM D2699
79	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	RON	IS 1448 P 27
80	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	TOTAL SULPHUR	ASTM D 5453

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81	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit, High Speed Diesel	TOTAL SULPHUR	ISO 20846
82	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit/Aviation Turbine Fuel	AROMATICS, % VOL.	ASTM D 1319
83	CHEMICAL- PETROLEUM AND PRODUCTS	MS, SKO, ATF	DISTILLATION, FBP DEG.C	IS 1448 P 18
84	CHEMICAL- PETROLEUM AND PRODUCTS	MS, SKO, ATF, HSD AND LUBES	APPEARANCE	ST/QCL/SOP 01A issue no. 01, issue date 18.09
85	CHEMICAL- PETROLEUM AND PRODUCTS	MS,SKO,HSD AND LUBES	COLOUR	ST/QCL/SOP 01B, issue no. 01, issue date 18.09
86	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO/ATF	COPPER STRIP CORROSION TEST	ASTM D 130
87	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO/ATF	COPPER STRIP CORROSION TEST	IS 1448 P 15
88	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO/ATF	DISTILLATION, IBP	ASTM D 86
89	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO/ATF	DISTILLATION, IBP	IS 1448 P 18
90	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO/ATF	DISTILLATION, RESIDUE	IS 1448 P 18
91	CHEMICAL- PETROLEUM AND PRODUCTS	MS/HSD/SKO/ATF	DISTILLATION, RESIDUE, % VOL	ASTM D86
92	CHEMICAL- PETROLEUM AND PRODUCTS	MS/SKO/ATF	DISTILLATION, FBP, DEG. C	ASTM D 86
93	CHEMICAL- PETROLEUM AND PRODUCTS	SKO, ATF	DENSITY AT 15 DEG.C	IS 1448 P 16
94	CHEMICAL- PETROLEUM AND PRODUCTS	SKO, ATF	SAYBOLT	IS 1448, P:14
95	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	DENSITY at 15 DEG.C	ASTM D 1298
96	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	DENSITY AT 15 DEG.C	ASTM D4052
97	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	SAYBOLT	ASTM D 6045
98	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	SAYBOLT	ASTM D156
99	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	SMOKE POINT	ASTM D 1322

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100	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	SMOKE POINT	IS 1448 P 31
101	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	SMOKE POINT	ISO 3014
102	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	DISTILLATION, REC AT 200 DEG. C	ASTM D 86
103	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	DISTILLATION, REC. AT 200 DEG. C, % VOL	IS 1448 P 18