National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QC LAB, HINDUSTAN PETROLEUM CORPORATION LIMITED, BATHINDA, PHOOS MANDI, MANSA ROAD, BATHINDA, PUNJAB, 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- LUBRICANTS	LUBRICANT OIL	APPEARANCE	BTI/WI/01 October
2	CHEMICAL- LUBRICANTS	LUBRICANT OIL	COC FLASH POINT	ASTM D92
3	CHEMICAL- LUBRICANTS	LUBRICANT OIL	COC FLASH POINT	IS 1448 P : 69
4	CHEMICAL- LUBRICANTS	LUBRICANT OIL	COC FLASH POINT	ISO 2592
5	CHEMICAL- LUBRICANTS	LUBRICANT OIL	COLOUR	BTI/WI/02 October 18
6	CHEMICAL- LUBRICANTS	LUBRICANT OIL	COPPER STRIP CORROSION	ASTM D130
7	CHEMICAL- LUBRICANTS	LUBRICANT OIL	COPPER STRIP CORROSION	IS 1448 P : 15
8	CHEMICAL- LUBRICANTS	LUBRICANT OIL	COPPER STRIP CORROSION	ISO 2160
9	CHEMICAL- LUBRICANTS	LUBRICANT OIL	DENSITY @ 29.5°C	ASTM D4052
10	CHEMICAL- LUBRICANTS	LUBRICANT OIL	DENSITY AT 29.5 °C	ASTM D1298
11	CHEMICAL- LUBRICANTS	LUBRICANT OIL	DENSITY AT 29.5 °C	IS 1448 P : 16
12	CHEMICAL- LUBRICANTS	LUBRICANT OIL	DENSITY AT 29.5 °C	ISO 3675
13	CHEMICAL- LUBRICANTS	LUBRICANT OIL	KINEMATIC VISCOSITY @ 100 °C	ASTM D445
14	CHEMICAL- LUBRICANTS	LUBRICANT OIL	KINEMATIC VISCOSITY @ 100 °C	ISO 3104
15	CHEMICAL- LUBRICANTS	LUBRICANT OIL	KINEMATIC VISCOSITY @ 100°C	ASTM D7042
16	CHEMICAL- LUBRICANTS	LUBRICANT OIL	KINEMATIC VISCOSITY @ 40 °C	ASTM D445
17	CHEMICAL- LUBRICANTS	LUBRICANT OIL	KINEMATIC VISCOSITY @ 40 °C	IS 1448 P:25 SEC 1
18	CHEMICAL- LUBRICANTS	LUBRICANT OIL	KINEMATIC VISCOSITY @ 40 °C	ISO 3104
19	CHEMICAL- LUBRICANTS	LUBRICANT OIL	KINEMATIC VISCOSITY @ 40°C	ASTM D7042
20	CHEMICAL- LUBRICANTS	LUBRICANT OIL	KINEMATIC VISCOSITY AT 100 °C	IS 1448 P:25 SEC 1
21	CHEMICAL- LUBRICANTS	LUBRICANT OIL	PMCC FLASH POINT	ASTM D93
22	CHEMICAL- LUBRICANTS	LUBRICANT OIL	PMCC FLASH POINT	IS 1448 P : 21
23	CHEMICAL- LUBRICANTS	LUBRICANT OIL	PMCC FLASH POINT	ISO 2719
24	CHEMICAL- LUBRICANTS	LUBRICANT OIL	POUR POINT	ASTM D 97
25	CHEMICAL- LUBRICANTS	LUBRICANT OIL	POUR POINT	IS 1448 P:10
26	CHEMICAL- LUBRICANTS	LUBRICANT OIL	POUR POINT	ISO 3016
27	CHEMICAL- LUBRICANTS	LUBRICANT OIL	VISCOSITY INDEX	ASTM D 2270
28	CHEMICAL- LUBRICANTS	LUBRICANT OIL	VISCOSITY INDEX	IS 1448 P:56

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29	CHEMICAL- LUBRICANTS	LUBRICANT OIL	VISCOSITY INDEX	ISO 2909
30	CHEMICAL- LUBRICANTS	LUBRICANT OIL	WATER BY COMBI COULOMETRIC KARLFISCHER TITRATION	ASTM D6304
31	CHEMICAL- LUBRICANTS	LUBRICANT OIL	WATER BY DISTILLATION	ASTM D 95
32	CHEMICAL- LUBRICANTS	LUBRICANT OIL	WATER BY DISTILLATION	IS 1448 P : 40
33	CHEMICAL- LUBRICANTS	LUBRICANT OIL	WATER BY DISTILLATION	ISO 3733
34	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD)	CALCULATED CETANE INDEX	ASTM D 4737
35	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD)	DENSITY @ 15°C	ASTM D 1298
36	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD)	DENSITY @ 15°C	IS 1448 P : 16
37	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD)	DENSITY @ 15°C	ISO 3675
38	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD)	DISTILLATION, 95% V/V RECOVERY TEMPERATURE	ASTM D 86
39	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD)	DISTILLATION, 95% V/V RECOVERY TEMPERATURE	IS 1448 P : 18
40	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD)	KINEMATIC VISCOSITY AT 40ºC	ASTM D7042
41	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), KEROSENE (SKO)	ABEL FLASH POINT	IP170
42	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), KEROSENE (SKO)	ABEL FLASH POINT	IS 1448 P:20
43	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), KEROSENE (SKO)	ABEL FLASH POINT	ISO 13736
44	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), KEROSENE (SKO), MG (MS), EBMG	DENSITY AT 15°C	ASTM D4052
45	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), LDO	KINEMATIC VISCOSITY AT 40 °C	ASTM D445
46	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), LDO	KINEMATIC VISCOSITY AT 40 °C	IS 1448 P:25 SEC 1
47	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), LDO	KINEMATIC VISCOSITY AT 40 °C	ISO 3104
48	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), LDO	PMCC FLASH POINT	ASTM D93

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49	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), LDO	PMCC FLASH POINT	IS 1448 P : 21
50	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), LDO	PMCC FLASH POINT	ISO 2719
51	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), LDO	POUR POINT	ASTM D 97
52	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), LDO	POUR POINT	IS 1448 P:10
53	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), LDO	POUR POINT	ISO 3016
54	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), MG (MS), EBMG	TOTAL SULPHUR	IS 1448 P:153
55	CHEMICAL- PETROLEUM AND PRODUCTS	ADF (HSD), MG (MS), EBMG	TOTAL SULPHUR	ISO 20846
56	CHEMICAL- PETROLEUM AND PRODUCTS	ADF(HSD)	CALCULATED CETANE INDEX	ISO 4264
57	CHEMICAL- PETROLEUM AND PRODUCTS	ADF(HSD), MG (MS), EBMG	TOTAL SULFUR	ISO 13032
58	CHEMICAL- PETROLEUM AND PRODUCTS	ADF(HSD), MG (MS), EBMG	TOTAL SULPHUR	ASTM D5453
59	CHEMICAL- PETROLEUM AND PRODUCTS	ANHYDROUS ETHANOL	ACIDITY	IS 15464 ANNEX D
60	CHEMICAL- PETROLEUM AND PRODUCTS	ANHYDROUS ETHANOL	ALDEHYDE CONTENT	IS 15464 ANNEX E
61	CHEMICAL- PETROLEUM AND PRODUCTS	ANHYDROUS ETHANOL	ALKALINITY	IS 15464 ANNEX D
62	CHEMICAL- PETROLEUM AND PRODUCTS	ANHYDROUS ETHANOL	ETHANOL CONTENT	IS 15464 ANNEX B /IS 2302
63	CHEMICAL- PETROLEUM AND PRODUCTS	ANHYDROUS ETHANOL	MISCIBILITY WITH WATER	IS 15464 ANNEX J
64	CHEMICAL- PETROLEUM AND PRODUCTS	ANHYDROUS ETHANOL	RELATIVE DENSITY @15.6/15.6 ºC	IS 15464 (ANNEX A)
65	CHEMICAL- PETROLEUM AND PRODUCTS	EBMG	ETHANOL CONTENT	IS 2796 (ANNEX C)
66	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	DENSITY AT 15°C	ISO 3675
67	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	DENSITY AT 15ºC	ASTM D 1298

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68	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	DENSITY AT 15ºC	IS 1448 P : 16
69	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	DISTILLATION, % RECOVERED BELOW 200°C	IS 1448 P : 18
70	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	DISTILLATION, %RECOVERED BELOW 200°C	ASTM D86
71	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	DISTILLATION, FINAL BOILING POINT	ASTM D86
72	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	DISTILLATION, FINAL BOILING POINT	IS 1448 P : 18
73	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	SAYBOLT COLOR	ASTM D156
74	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	SAYBOLT COLOR	IS:1448 P:14
75	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	SMOKE POINT	ASTM D1322
76	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	SMOKE POINT	IS 1448 P:31
77	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	TOTAL SULFUR CONTENT	ASTM D4294
78	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	TOTAL SULFUR CONTENT	ISO 8754
79	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	TOTAL SULPHUR CONTENT	ASTM D5453
80	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	DENSITY @ 15°C	ASTM D 1298
81	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	DENSITY @ 15°C	IS 1448 P : 16
82	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	DENSITY @ 15°C	ISO 3675
83	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	TOTAL SULFUR	ASTM D4294
84	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	WATER CONTENT BY DISTILLATION	ASTM D 95
85	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	WATER CONTENT BY DISTILLATION	IS 1448 P:40
86	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	WATER CONTENT BY DISTILLATION	ISO 3733

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87	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DENSITY AT 15ºC	IS 1448 P : 16
88	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DENSITY AT 15ºC	ASTM D 1298
89	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DENSITY AT 15ºC	ISO 3675
90	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, % EVAPORATED AT 100 °C	ASTM D 86
91	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, % EVAPORATED AT 100 °C	IS 1448 P:18
92	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, % EVAPORATED AT 150°C	ASTM D 86
93	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, % EVAPORATED AT 150°C	IS 1448 P:18
94	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, % EVAPORATED AT 70°C	IS 1448 P : 18
95	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, % EVAPORATION AT 70°C	ASTM D 86
96	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, FINAL BOILING POINT	ASTM D 86
97	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, FINAL BOILING POINT	IS 1448 P : 18
98	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, RESIDUE	ASTM D 86
99	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	DISTILLATION, RESIDUE	IS 1448 P : 18
100	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	GUM CONTENT (SOLVENT WASHED)	ASTM D381
101	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	GUM CONTENT (SOLVENT WASHED)	IS 1448 P : 29
102	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	GUM CONTENT (SOLVENT WASHED)	ISO 6246
103	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	RESEARCH OCTANE NUMBER	ASTM D2699
104	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	RESEARCH OCTANE NUMBER	IS 1448 P:27
105	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG	RESEARCH OCTANE NUMBER	ISO 5164

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106	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG, ADF (HSD), KEROSENE (SKO), ANHYDROUS ETHANOL	APPEARANCE	BTI/WI/01 OCTOBER
107	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG, ADF (HSD), KEROSENE (SKO), LDO	COPPER STRIP CORROSION	ASTM D130
108	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG, ADF (HSD), KEROSENE (SKO), LDO	COPPER STRIP CORROSION	IS 1448 P:15
109	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG, ADF (HSD), KEROSENE (SKO), LDO	COPPER STRIP CORROSION	ISO 2160
110	CHEMICAL- PETROLEUM AND PRODUCTS	MG (MS), EBMG, ADF(HSD), KEROSENE (SKO)	COLOR	BTI/WI/02 OCTOBER