National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QA LAB, BHARAT PETROLEUM CORP LTD, NAVEGAON, AHMEDABAD, BPCL NAVAGAM TOP, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 10/11/2022 to 09/11/2024 **Last Amended on** 16/02/2023

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	LUBE OIL	AUTO DENSITY	ASTM D 4052
2	CHEMICAL- LUBRICANTS	LUBRICANT	APPEARANCE	SOP 09 DOC BPCL 03 ISSUE NO 03 DT 01.06.2019
3	CHEMICAL- LUBRICANTS	LUBRICANT	AUTO VISCOSITY AT 100	ASTM D 7042
4	CHEMICAL- LUBRICANTS	LUBRICANT	AUTO VISCOSITY AT 40	ASTM D 7042
5	CHEMICAL- LUBRICANTS	LUBRICANT	DENSITY	IS 1448 (Part 16)
6	CHEMICAL- LUBRICANTS	LUBRICANT	Flash and Fire Points by Cleveland Open Cup Tester(Auto)	ASTM D 92
7	CHEMICAL- LUBRICANTS	LUBRICANT	Flash Point by Pensky-Martens Closed Cup Tester(Auto)	ASTM D 93
8	CHEMICAL- LUBRICANTS	LUBRICANT	Flash Point by Pensky-Martens Closed Cup Tester(Manual)	IS 1448 (Part 21)
9	CHEMICAL- LUBRICANTS	LUBRICANT	MANUAL POUR POINT	IS 1448 (Part 10/ Sec. 2)
10	CHEMICAL- LUBRICANTS	LUBRICANT	MANUAL VISCOSITY AT 100	IS 1448 (Part 25/Sec. 1)
11	CHEMICAL- LUBRICANTS	LUBRICANT	MANUAL VISCOSITY AT 40	IS 1448 (Part 25/Sec. 1)
12	CHEMICAL- LUBRICANTS	LUBRICANT	Total Acid Number	ASTM D 664
13	CHEMICAL- LUBRICANTS	LUBRICANT	TOTAL BASE NUMBER	ASTM D 2896
14	CHEMICAL- LUBRICANTS	LUBRICANT	VISCOSITY INDEX	IS 1448 (Part 56)
15	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	ACID VALUE	ASTM D 974
16	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	Appearance	SOP 09 DOC BPCL 03 ISSUE NO 03 DT 01.06.2019
17	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	AUTO DENSITY	ASTM D 4052
18	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	CFPP	IS 1448(PART 110)
19	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	COPPER CORROSION	IS1448(PART 15)
20	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	DENSITY	IS 1448(Part 16)
21	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	Flash Point by Pensky-Martens Closed Cup Tester(Auto)	ASTM D 93
22	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	MANUAL PMCC	IS 1448(PART 21)

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23	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	MANUAL VISCOSITY AT 40 DEG C	IS 1448(PART 25/SEC 1)
24	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	VISCOSITY AT 40 DEG C	ASTM D 7042
25	CHEMICAL- PETROLEUM AND PRODUCTS	BIODIESEL	WATER CONTENT	IS 1448(PART 175)
26	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	ACIDITY	IS 15464 ANNEX D
27	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	ALDEHYDE CONTENT	IS 15464 ANNEX F
28	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	ALKALINITY	IS 15464 ANNEX D
29	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	APPEARANCE	SOP 9 Doc No BPCL 03 dt 01.06.2019
30	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	ETHANOL CONTENT % BY VOL @15.6/15.6	IS15464:2022 Annex B
31	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	ETHANOL MISCIBILITY	IS 15464:2022 ANNEX C
32	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	RELATIVE DENSITY @ 15.6 DEGC gm/ml	IS 15464:2022 ANNEX A
33	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	Appearance	SOP 09 DOC BPCL 03 ISSUE NO 03 DT 01.06.2019
34	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	AUTO ABEL FLASH POINT	IP 170
35	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	AUTO DENSITY	ASTM D 4052
36	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	AUTO DISTILLATION IBP FBP REC AT 10% REC AT 50% REC AT 90% REC AT 95%	ASTM D 86
37	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	CETANE INDEX	ASTM D 4737
38	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	COLOUR VISUAL	SOP 11 DOC BPCL 03 ISSUE NO 03 DT 01.06.2019
39	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	COPPER STRIP CORROSION	IS 1448 (PART 15)
40	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	DENSITY	IS 1448 (Part 16)

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41	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	M-ABEL FLASH POINT	IS 1448 (Part 20)
42	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	M-DISTILLATION IBP FBP REC AT 10% REC AT 50% REC AT 90% REC AT 95%	IS 1448 (Part 18)
43	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	M-VISCOSITY AT 40 DEG C	IS 1448 (Part 25)
44	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	POUR POINT	IS 1448 (Part 10/Sec. 2)
45	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	SULPHUR CONTENT	ASTM D 5453
46	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	VISCOSITY AT 40 DEC C	ASTM D 7042
47	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL (HFHSD)	PMCC FLASH POINT	ASTM D 93
48	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	Appearance	SOP 09 DOC BPCL 03 ISSUE NO 03 DT 01.06.2019
49	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	AUTO DENSITY	ASTM D 4052
50	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	AUTO DISTILLATION (AUTO) IBP FBP REC AT 70 DEG C REC AT 100 DEG C REC AT 150 DEG C	ASTM D 86
51	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	COLOUR	SOP 11 DOC BPCL 03 ISSUE NO 03 DT 01.06.2019
52	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	COPPER STRIP CORROSION	IS 1448 (Part 15)
53	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	Density	IS 1448 (Part 16)
54	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	GUM CONTENT	IS 1448 (Part 29)
55	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	M- MS_DISTILLATION IBP FBP REC AT 70 DEG C REC AT 100 DEG C REC AT 150 DEG C	IS 1448 (Part 18)
56	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	SULPHUR CONTENT	ASTM D 5453
57	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	Appearance	SOP 09 DOC BPCL 03 ISSUE NO 03 DT 01.06.2019
58	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	AUTO DENSITY	ASTM D 4052

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59	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	COPPER STRIP CORROSION	IS 1448(PART 15)
60	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	DENSITY	IS 1448 (Part 16)
61	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	DISTILLATION FBP REC AT 200 DEG C	ASTM D 86
62	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	FLASH POINT	IS 1448 (P 20)
63	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	FLASH POINT	ISO 13736
64	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	M-DISTILLATION FBP REC AT 200 DEG C	IS 1448 (Part 18)
65	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	SAYBOLT COLOUR	IS 1448 (Part 14)
66	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	SMOKE POINT	IS 1448 (Part 31)
67	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSENE OIL	SULPHUR CONTENT	ASTM D 5453

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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
Mobile Facility				
1	CHEMICAL- LUBRICANTS	LUBRICANT	TOTAL ACID NUMBER	ASTM D 664
2	CHEMICAL- LUBRICANTS	LUBRICANT	TOTAL BASE NUMBER	ASTM D 2896
3	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	Appearance	SOP 09 BPCL DOC NO 03 ISSUE NO 03 DATED 01.06.2019
4	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	COLOUR VISUAL	SOP 11 BPCL DOC NO 03 ISSUE NO 03 DATED 01.06.2019
5	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	DENSITY	IS 1448(PART 16)
6	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	DISTILLATION IBP FBP REC AT 10% REC AT 50% REC AT 90% REC AT 95%	IS 1448(PART 18)
7	CHEMICAL- PETROLEUM AND PRODUCTS	HIGH SPEED DIESEL	VISCOSITY	IS 1448(PART 25)
8	CHEMICAL- PETROLEUM AND PRODUCTS	LUBRICANT	VI	IS 1448(PART 56)
9	CHEMICAL- PETROLEUM AND PRODUCTS	LUBRICANT	VISCOSITY AT 100 DEG C	ASTM D 7042
10	CHEMICAL- PETROLEUM AND PRODUCTS	LUBRICANT	VISCOSITY AT 40 DEG C	ASTM D 7042
11	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	Appearance	SOP 09 BPCL DOC NO 03 ISSUE NO 03 DATED 01.06.2019
12	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	COLOUR VISUAL	SOP 11 BPCL DOC NO 03 ISSUE NO 03 DATED 01.06.2019
13	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	DENSITY	IS 1448 (PART 16)
14	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR SPIRIT	M- MS_DISTILLATION IBP FBP REC AT 70 DEG C REC AT 100 DEG C REC AT 150 DEG C	IS 1448 (PART 18)