National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD, QUALITY ASSURANCE LABORATORY, CHERLAPALLY INSTALLATION, P.O. H.C.L, CHERLAPALLY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7289 **Page No** 1 of 5

Validity 08/09/2022 to 07/09/2024 **Last Amended on** 20/10/2022

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	Lubricants	Appearance	SOP 9 - Issue No. I
2	CHEMICAL- LUBRICANTS	Lubricants	Colour ASTM	IS 1448(P 12)
3	CHEMICAL- LUBRICANTS	LUBRICANTS	COLOUR VISUAL	SOP : 11
4	CHEMICAL- LUBRICANTS	Lubricants	CRACKLE TEST	SOP : 10
5	CHEMICAL- LUBRICANTS	Lubricants	Density	IS 1448 : P 16
6	CHEMICAL- LUBRICANTS	Lubricants	Flash Point COC	IS: 1448 (P 69)
7	CHEMICAL- LUBRICANTS	Lubricants	Flash Point PMCC	IS 1448 P 21
8	CHEMICAL- LUBRICANTS	Lubricants	KV at 100 deg C	ASTM D 7042
9	CHEMICAL- LUBRICANTS	Lubricants	KV at 100 deg C	IS 1448 : P 25
10	CHEMICAL- LUBRICANTS	Lubricants	KV at 40 deg C	ASTM D 7042
11	CHEMICAL- LUBRICANTS	Lubricants	KV at 40 deg C	IS : 1448 (P25)
12	CHEMICAL- LUBRICANTS	Lubricants	Pour Point deg C	IS : 1448 (P 10)
13	CHEMICAL- LUBRICANTS	Lubricants	Viscosity Index	IS 1448 : P 56
14	CHEMICAL- LUBRICANTS	Lubricants	Water content	IS 1448 : P 40
15	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DEISEL FUEL	FLASH POINT (PENSKY MARTENS) deg C	IS : 1448 (P 21)
16	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	APPEARANCE	SOP : 9
17	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	CETANE INDEX (Calculated)	ASTM D 4737
18	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	CETANE INDEX (Calculated)	IS 1448 (P 56)
19	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	COLOUR	SOP 11
20	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	COPPER STRIP CORROSION	IS : 1448 (P 15)
21	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	DENSITY Kg/m3	IS : 1448 (P16)
22	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Distillation, 95 percent v/v, recovery, °C,	ASTM D 86
23	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Distillation, 95 percent v/v, recovery, °C,	IS : 1448 (P 18)

SCOPE OF ACCREDITATION

Laboratory Name :	BHARAT PETROLEUM CORPORATION LTD, QUALITY ASSURANCE LABORATORY, CHERLAPALLY INSTALLATION, P.O. H.C.L, CHERLAPALLY, HYDERABAD, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7289
Page No	2 of 5
Validity	08/09/2022 to 07/09/2024
Last Amended on	20/10/2022

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
24	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	FLASH POINT (ABEL) deg C	IP 170
25	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	FLASH POINT (ABEL) deg C	IS : 1448 (P 20)
26	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	KINEMATIC VISCOSITY at 40 deg	ASTM D 7042
27	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	KINEMATIC VISCOSITY at 40 deg	IS : 1448 (P 25)
28	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	POUR POINT deg C	IS : 1448 (P 10)
29	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	SULPHUR TOTAL mg/Kg	ASTM D 5453
30	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL BULK	ACIDITY as CH3COOH, mg/l	IS : 15464 (ANNEX-D)
31	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL BULK	Aldehyde Content	IS 15464 (Annexn F)
32	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL BULK	Alkalinity	IS : 15464 (Annex-D0
33	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL BULK	Appearance	SOP - 9 Issue no 3
34	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL BULK	COLOUR	SOP 11, Isuue no 3
35	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL BULK	Ethanol Content at 15.6/15.6 deg C	IS 15464
36	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL BULK	Miscibility with Water	IS : 15464 (Annex-C)
37	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL BULK	Relative Density at 15.6/15.6 deg C	IS 15464
38	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	APPEARANCE	SOP : 9
39	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	COLOUR	SOP 11
40	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	COPPER STRIP CORROSION	IS 1448 (P 15)
41	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DENSITY Kg/m3	IS : 1448 (P 16)
42	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : Final boiling point, °C	ASTM D 86

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD, QUALITY ASSURANCE LABORATORY, CHERLAPALLY INSTALLATION, P.O. H.C.L, CHERLAPALLY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7289 **Page No** 3 of 5

Validity 08/09/2022 to 07/09/2024 **Last Amended on** 20/10/2022

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
43	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : Final boiling point, °C	IS : 1448 (P 18)
44	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : percent evaporated at 70°C (E 70°C), percent v/v	IS : 1448 (P 18)
45	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : percent evaporated at 70°C (E 70°C), percent v/v:	ASTM D 86
46	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : percent evaporated at 100°C (E 100 °C), percent v/v	ASTM D 86
47	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : percent evaporated at 100°C (E 100 °C), percent v/v	IS : 1448 (P 18)
48	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : percent evaporated at 150°C (E 150 °C), percent v/v	ASTM D 86
49	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTOILLATION : percent evaporated at 150°C (E 150 °C), percent v/v	IS : 1448 (P 18)
50	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	ETHANOL CONTENT % BY VOL	IS 2796 (Annex-C)
51	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Gum content (Solvent washed), g/m3	IS : 1448 (P 29)
52	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	RESEARCH OCTANE NUMBER	ASTM D 2699
53	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	RESEARCH OCTANE NUMBER	IS : 1448 (P 27)
54	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	SULPHUR, TOTAL mg/Kg	ISO 20847
55	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	SULPHUR. TOTAL mg/Kg	ASTM D 5453
56	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	APPEARANCE	SOP : 9
57	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	COLOUR SAYBOLT	IS : 1448 (P 14)
58	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	COLOUR VISUAL	SOP : 11
59	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	COPPER STRIP CORROSION	IS : 1448 (P 15)

SCOPE OF ACCREDITATION

Laboratory Name :	BHARAT PETROLEUM CORPORATION LTD, QUALITY ASSURANCE LABORATORY, CHERLAPALLY INSTALLATION, P.O. H.C.L, CHERLAPALLY, HYDERABAD, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7289	**Page No**	4 of 5
Validity	08/09/2022 to 07/09/2024	**Last Amended on**	20/10/2022

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
60	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	DISTILLATION : Final boiling point, °C	IS : 1448 (P 18)
61	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	DISTILLATION : Percent recovered below 200°C, percent (v/v)	ASTM D 86
62	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	DISTILLATION : Percent recovered below 200°C, percent (v/v)	IS : 1448 (P 18)
63	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	DISTILLATION, Final boiling point, °C	ASTM D 86
64	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	FLASH POINT (ABEL) deg C	IS : 1448 (P 20)
65	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	SMOKE POINT mm	IS : 1448 (P 31)
66	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIOR KEROSINE OIL	SULPHUR TOTAL, % BY MASS	ASTM D 4294
67	CHEMICAL- PETROLEUM AND PRODUCTS	SUPERIR KEROSINE OIL	DENSITY, Kg/m3	IS : 1448 (P 16)

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD, QUALITY ASSURANCE LABORATORY, CHERLAPALLY INSTALLATION, P.O. H.C.L, CHERLAPALLY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7289 **Page No** 5 of 5

Validity 08/09/2022 to 07/09/2024 **Last Amended on** 20/10/2022

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
Mobile Facility				
1	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	APPEARANCE	SOP : 9
2	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	COLOUR	SOP 11
3	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	DENSITY Kg/m3	IS : 1448 (P16)
4	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMOTIVE DIESEL FUEL	Distillation, 95 percent v/v, recovery, °C,	IS : 1448 (P 18)
5	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	APPEARANCE	SOP : 9
6	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	COLOUR	SOP 11
7	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DENSITY Kg/m3	IS : 1448 (P 16)
8	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : Final boiling point, °C	ASTM D 86
9	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : Final boiling point, °C	IS : 1448 (P 18)
10	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : percent evaporated at 70°C (E 70°C), percent v/v	IS : 1448 (P 18)
11	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : percent evaporated at 100°C (E 100 °C), percent v/v	IS : 1448 (P 18)
12	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION : percent evaporated at 150°C (E 150 °C), percent v/v	ASTM D 86
13	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTOILLATION : percent evaporated at 150°C (E 150 °C), percent v/v	IS : 1448 (P 18)