National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD., QUALITY ASSURANCE LABORATORY, PATNA TOP, VILLAGE-SIPARA, P.O. AT PAKRI (VIA-ANISABAD), PATNA, BIHAR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6302 **Page No** 1 of 4

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

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	Lubricanting Oil	AUTO PMCC	ASTM D 93
2	CHEMICAL- LUBRICANTS	Lubricating Oil	Appearance	Visual SOP 09, Issue No. 2
3	CHEMICAL- LUBRICANTS	Lubricating Oil	Colour ASTM	IS:1448(Part-12)
4	CHEMICAL- LUBRICANTS	Lubricating Oil	Colour Visual	Visual WI-03
5	CHEMICAL- LUBRICANTS	Lubricating Oil	Crackel Test	WI-02A
6	CHEMICAL- LUBRICANTS	Lubricating Oil	Cu Strip Corrosion	IS:1448(Part-15)
7	CHEMICAL- LUBRICANTS	Lubricating Oil	Density	IS:1448(Part-16)
8	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point (COC),°C	IS:1448(Part-69)
9	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point(PMCC)	IS:1448(Part-21)
10	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity at 100 °C (Auto)	ASTM D 7042
11	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity at 100°C (Manual)	IS:1448(Part-25)
12	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity at 40 °C (Auto)	ASTM D 7042
13	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity at 40 °C (Manual)	IS:1448(Part-25)
14	CHEMICAL- LUBRICANTS	Lubricating Oil	Pour Point	IS:1448(Part-10)
15	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity Index	IS:1448(Part-56)
16	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Appearance	Visual SOP 09, Issue No. 2
17	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Colour	Visual SOP 10, Issue No. 2
18	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Cu Strip Corrosion for 3 hrs at 50 °C	IS:1448 (P-15)
19	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Density, kg/m3	IS:1448 (P-16)
20	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Flash Point (Abel)	IS:1448 (P-20)
21	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Flash Point (PMCC)	IS:1448 (P-21)
22	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Kinematic Viscosity at 40 °C	ASTM D-7042

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6302 **Page No** 2 of 4

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23	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Kinematic Viscosity at 40 °C	IS:1448(P-25)
24	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Pour Point	IS:1448(P-10)
25	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Sulphur, Total	ASTM D 5453
26	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Auto Distillation Temperature (FBP)°C	ASTM D 86
27	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	AUTO PMCC	ASTM D 93
28	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Auto Distillation Temperature (IBP)°C	ASTM D 86
29	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Cetane Index , (Calculated)	ASTM D-4737
30	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation (95% v/v, Â°C)	ASTM D-86
31	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation (95% v/v, Â°C)	IS:1448(P-18)
32	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation Temperature (FBP)°C	IS:1448 (P-18)
33	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation Temperature (IBP)°C	IS:1448 (P-18)
34	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation Volume (Residue %vol.)	IS:1448(P-18)
35	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation Volume, (loss, %vol.)	ASTM D 86
36	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation Volume, (loss, %vol.)	IS:1448(P-18)
37	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	DistillationVolume, (Residue %vol.)	ASTM D 86
38	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Appearance	Visual SOP 09, Issue No. 2
39	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Colour Saybolt	IS:1448 (P-14)
40	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Colour Visual	Visual SOP 10, Issue No. 2
41	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Density, g/ml	IS:1448 (P-16)

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Certificate Number TC-6302 **Page No** 3 of 4

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

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42	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Distillation Temperature ,(FBP °C)	ASTM D-86
43	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Distillation Temperature ,(FBP Â°C)	IS:1448(P-18)
44	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Distillation, Rec @200 °C,vol%	ASTM D-86
45	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Distillation, Rec @200°C,vol%	IS:1448(P-18)
46	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Flash Point (Abel)	IS:1448 (P-20)
47	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Smoke point	IS:1448(P-31)
48	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE (SKO)	Sulphur, Total	ASTM D 5453
49	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSNE (SKO)	Cu Strip Corrosion for 3 hours at 50°C	IS:1448 (P-15)
50	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Existent Gum (Solvent washed), g/m3	IS:1448(P-29)
51	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume, (Loss, %vol.)	ASTM D 86
52	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume, (loss, %vol.)	IS:1448(Part-18)
53	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Appearance	Visual SOP 09, Issue No. 2
54	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Colour Visual	Visual SOP 10, Issue No. 2
55	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Cu Strip Corrosion for 3 hrs at 50 °C	IS:1448 (P-15)
56	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Density	IS:1448 (P-16)
57	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Temperature (IBP)°C	ASTM D 86
58	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Temperature °C (FBP) °C	IS:1448(P-18)
59	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Temperature °C (FBP)°C	ASTM D 86
60	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Temperature °C, (IBP) °C	IS:1448(P-18)

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Certificate Number TC-6302 **Page No** 4 of 4

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61	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume (Rec upto 70°C, % vol.)	ASTM D 86
62	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume,(Rec upto 100°C, % vol.)	ASTM D 86
63	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume,(Rec upto 100Â°C, % vol.)	IS:1448(Part-18)
64	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume,(Rec upto 150Â°C, % vol.)	ASTM D 86
65	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume,(Rec upto 150Â°C, % vol.)	IS:1448(Part-18)
66	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume,(Rec upto 70Â°C, % vol.)	IS:1448 (P-18)
67	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume,(Residue, %vol.)	ASTM D 86
68	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Distillation Volume,(Residue, %vol.)	IS:1448(Part-18)
69	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Ethanol Content, % vol	IS 2796(Annexure C)
70	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit (MS)	Sulphur, Total	ASTM D 5453