National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BPCL, KANDLA QA LAB, KANDLA INSTALLATION, KHARI ROHAR ROAD, GANDHIDHAM, KACHCHH, GUJARAT, 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	Lubricants	Appearance	SOP NO.09, SOP NO.02, JUNE 01
2	CHEMICAL- LUBRICANTS	Lubricants	ASTM Colour	ASTM D1500
3	CHEMICAL- LUBRICANTS	Lubricants	ASTM Colour	IS 1448 (Part 12)
4	CHEMICAL- LUBRICANTS	Lubricants	Colour	SOP No.11 Issue No. 02 June 01
5	CHEMICAL- LUBRICANTS	Lubricants	Density at 29.5°C	ASTM D1298
6	CHEMICAL- LUBRICANTS	Lubricants	Density at 29.5°C	IS 1448 (Part 16)
7	CHEMICAL- LUBRICANTS	Lubricants	Flash Point	IS 1448 (Part 21)
8	CHEMICAL- LUBRICANTS	Lubricants	Flash Point	IS 1448 (Part 69)
9	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 100°C	ASTM D7042
10	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 100°C	IS 1448 (Part 25)
11	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 40°C	ASTM D7042
12	CHEMICAL- LUBRICANTS	Lubricants	Kinematic Viscosity at 40°C	IS 1448 (Part 25)
13	CHEMICAL- LUBRICANTS	Lubricants	Pour Point	IS 1448 (Part 10) (Sec 2)
14	CHEMICAL- LUBRICANTS	Lubricants	Viscosity Index	ASTM D2270
15	CHEMICAL- LUBRICANTS	Lubricants	Viscosity Index	IS 1448 (Part 56)
16	CHEMICAL- LUBRICANTS	Lubricants	Water Content	ASTM D95
17	CHEMICAL- LUBRICANTS	Lubricants	Water Content	IS 1448 (Part 40)
18	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Acidity as CH3COOH	IS 15464 (Annexure D)
19	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Aldehyde content as CH3CHO	IS 15464 (Annexure E)
20	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Alkalinity	IS 15464 (Annexure D)
21	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Appearance	VISUAL_SOP 09, SOP No.2 issue 01.06.2019 , Amd:02 Amd date: 01.11.2020
22	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Ethanol	IS 15464 (Annexure B)
23	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Miscibility with Water	IS 15464 (Annexure J)
24	CHEMICAL- PETROLEUM AND PRODUCTS	Anhydrous Ethanol	Relative Density @ 15.6 /15.6 °C, Max.	IS 15464 (Annexure A)

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25	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Appearance	SOP No.09 Issue No. 02 June 01
26	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Cetane Index (Calculated)	ASTM D4737
27	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Copper Strip Corrosion at 50°C	IS 1448 (Part 15)
28	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Density at 15°C	ASTM D1298
29	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Density at 15°C	IS 1448 (Part 16)
30	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Distillation, 95 percent v/v, recovery temperature	ASTM D 86
31	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Distillation, 95 percent v/v, recovery temperature	IS 1448 (Part 18)
32	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Flash Point (Abel)	IS 1448 (Part 20)
33	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Total Sulphur	ASTM D 5453
34	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Pour Point	IS 1448 (Part 10) (Sec 2)
35	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Flash Point Abel Manual	IS 1448 (Part 20)
36	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Kinetic Viscosity at 40	ASTM D7042
37	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel (ADF), High Speed Diesel (HSD)	Kinetic Viscosity at 40	IS 1448
38	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel(ADF), High Speed Diesel (HSD)	Colour	SOP No.11 Issue No. 02 June 01
39	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil (FO)	Appearance	SOP No.09 Issue No. 02 June 01
40	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil (FO)	Colour Visual	SOP No.11 Issue No. 02 June 01: 2020
41	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil (FO)	Density at 15°C	IS 1448 (Part 16)
42	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil (FO)	Flash Point	IS 1448 (Part 21)
43	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil (FO)	Kinetic Viscosity at 50	IS 1448

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44	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil (FO)	Sediments	IS 1448 (Part 30)
45	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil (FO)	Total Sulphur	ASTM D4294
46	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil (FO)	Water Content	IS 1448 (Part 40)
47	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Appearance	SOP No.09 Issue No. 02 June 01
48	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour	SOP No.11 Issue No. 02 June 01
49	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour-Saybolt	IS 1448 (Part 14)
50	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion at 50°C	IS 1448 (Part 15)
51	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density at 15°C	ASTM D1298
52	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density at 15°C	IS 1448 (Part 16)
53	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation- Final boiling point (FBP)	ASTM D 86
54	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation- Final boiling point (FBP)	IS 1448 (Part 18)
55	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation- Percent recovered below 200 °C	ASTM D86
56	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation- Percent recovered below 200 °C	IS 1448 (Part 18)
57	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IP 170
58	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IS 1448 (Part 20)
59	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke point	IS 1448 (Part 31)
60	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D 5453
61	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D4294
62	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Appearance	SOP No.09 Issue No. 02 June 01

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63	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Colour	SOP No.11 Issue No. 02 June 01
64	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Copper Strip Corrosion at 50°C	IS 1448 (Part 15)
65	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Density at 15°C	ASTM D1298
66	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Density at 15°C	IS 1448 (Part 16)
67	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation - percent evaporated at 100°C (E 100°C)	IS 1448 (Part 18)
68	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation - percent evaporated at 100°C (E 100°C)	ASTM D86
69	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation - percent evaporated at 150°C (E 150°C)	IS 1448 (Part 18)
70	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation - percent evaporated at 150°C (E 150°C)	ASTM D 86
71	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation - percent evaporated at 70°C (E 70°C)	ASTM D86
72	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation - percent evaporated at 70°C (E 70°C)	IS 1448 (Part 18)
73	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation -Final boiling point (FBP)	ASTM D86
74	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation -Final boiling point (FBP)	IS 1448 (Part 18)
75	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation -Initial Boiling Point (IBP)	IS 1448 (Part 18)
76	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation -Initial Boiling Point (IBP)	ASTM D 86
77	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation -Residue	IS 1448 (Part 18)
78	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Distillation -Residue	ASTM D 86
79	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Gum content (Solvent washed)	IS 1448 (Part 29)
80	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Research octane number (RON)	ASTM D2699
81	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Research octane number (RON)	IS 1448 (Part 27)

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82	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline (MS)	Total Sulphur	ASTM D5453