SCOPE OF ACCREDITATION

Laboratory Name :	QUALITY CONTROL LABORATORY, IOCL DIGBOI REFINERY, IOCL (AOD), DIGBOI OIL TOWN, TINSUKIA, ASSAM, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-8243
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Validity	01/01/2022 to 31/12/2023
Last Amended on	17/03/2023

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- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Acidity-Inorganic, mg of KOH/g	ISO 6618
2	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Ash	IS 1448 (PART 4/Sec 1)
3	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Acidity-Total, mg of KOH/g	IS 1448 (PART 2)
4	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Carbon Residue(MICRO) on10% Residue	ISO 10370
5	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Cetane Index	ASTM D4737
6	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Cetane Number	IS 1448 (PART 9)
7	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Cold Filter Plugging Point	ASTM D 6371
8	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Copper strip corrosion for 3h at 50 °C	IS 1448 (PART 15)
9	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Density at 15°C	IS 1448 (PART 16)
10	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Distillation	IS 1448 (PART 18)
11	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Flash Point (Abel)	IS 1448 (PART 20)
12	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Kinematic Viscosity at 40°C	IS 1448 (PART 25/Sec 1)
13	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Lubricity	ISO 12156-1
14	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Oxidation Stability	ASTM D 2274
15	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Polycyclic Aromatic Hydrocarbon (PAH)	IP 391
16	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Pour Point	ASTM D5950
17	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Total Contamination	EN 12662
18	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Total Sulphur	ASTM D5453

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19	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Visual Appearance	Visual
20	CHEMICAL- PETROLEUM AND PRODUCTS	AUTOMATIVE DIESEL FUEL (HSD)	Water Content	ISO 12937
21	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Ash Content	IS 1448 (PART 4/Sec 1)
22	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Carbon Residue	ISO 10370
23	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Density at 15°C	IS 1448 (PART 16)
24	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Flash Point (PMCC)	IS 1448 (PART 21)
25	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Gross Calorific Value in KCal/Kg	IS 1448 (PART 7)
26	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Kinematic Viscosity at 50°C	IS 1448 (Part 25/Sec 1)
27	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Pour Point	IS 1448 (PART 10/Sec 2)
28	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Total Sulphur	ASTM D 4294
29	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Water Content	IS 1448 (PART 40)
30	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Acidity-Inorganic	IS 1448 (PART 2)
31	CHEMICAL- PETROLEUM AND PRODUCTS	FUEL OIL	Sediment by Extraction	IS 1448 (PART 30)
32	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Cetane Index, No.	ASTM D 4737
33	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Density @ 15 Deg C	IS 1448 (P:16)
34	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation, % Recovery @ 360 Deg C	IS 1448 (P:18)
35	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Flash Point, Deg C	IS 1448 (P:20)
36	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Sulphur	ASTM D 5453
37	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Odour	IS 4576

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38	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Copper strip corrosion at 38°C for 1 hour	IS 1448 (PART152)
39	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Volatility (Evapor.Temp 95 %V at 760 mmHg)	IS 1448 (PART 72)
40	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Caustic Test (By Alizarin)	IS 4576
41	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Composition	ASTM D2163
42	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Density at 15°C	ISO 8973
43	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Free Water Content	IS 4576
44	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Hydrogen Sulphide	IS 4576
45	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Total volatile Sulphur	ASTM D6667
46	CHEMICAL- PETROLEUM AND PRODUCTS	LIQUIFIED PETROLEUM GASES	Vapour pressure at 40 °C	ISO 8973
47	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Benzene content	ASTM D6730
48	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Copper strip corrosion for 3h at 50 °C	IS 1448 (Part 15)
49	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Motor Octane Number (MON)	IS 1448 (PART 26)
50	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Oxidation Stability	IS 1448 (Part 28)
51	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Oxygen Content	ASTM D4815
52	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Reid Vapour Pressure (RVP) at 37.8°C	ASTM D5191
53	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Research Octane Number (RON)	IS 1448 (PART 27)
54	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Vapour Lock Index (VLI)	CALCD (IS 2796)
55	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Water tolerance	Annex-B (IS 2796)
56	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Aromatic Content	ASTM D5580

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57	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Aromatic Content	ASTM D6730
58	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Colour	Visual (IS 2796)
59	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Density at 15°C	IS 1448 (Part 16)
60	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Distillation	IS 1448 (PART 18)
61	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Gum Content (Solvent washed)	IS 1448 (PART 29)
62	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Lead content (as Pb)	ASTM D5059
63	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Olefin Content	ASTM D6730
64	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Oxygenates (Ethanol Content)	ASTM D4815
65	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Total Sulphur	ASTM D5453
66	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Visual Appearance	Visual
67	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Density @ 15 Deg C	IS 1448 (P:16)
68	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation, a) % Recovery @70 Deg C	IS 1448 (P:18)
69	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation, b) % Recovery @ 100 Deg C	IS 1448 (P:18)
70	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation, c) % Recovery @ 150 Deg C	IS 1448 (P:18)
71	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation, d) Final Boiling Point, Deg C	IS 1448 (P:18)
72	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Research Octane Number (RON)	ASTM D 2699
73	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Sulphur	ASTM D 3120
74	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Sulphur	ASTM D 5453