National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, BARAUNI REFINERY, IOCL, P.O. BARAUNI OIL REFINERY, BEGUSARAI, BIHAR, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 18/08/2022 to 17/08/2024 **Last Amended on** 11/11/2022

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- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Sulphur, Mercaptan	IS 1448: P: 109
2	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Aromatics	ASTM D 1319
3	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Aromatics	IS 1448: P 23
4	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Colour	ASTM D 156
5	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Colour	ASTM D 6045
6	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Colour	IS 1448 P:14
7	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Copper strip Corrosion for 2 h at 100 oC	IS 1448: P:15
8	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Density at 15 oC	IS 1448: P 16
9	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation 10% Recovery at oC, v/v	ASTM D86
10	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation 10% Recovery at oC, v/v	IS 1448: P: 18
11	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation-50% Recovery at oC, v/v	ASTM D86
12	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation-50% Recovery at oC, v/v	IS 1448: P: 18
13	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation-90% Recovery at oC, v/v	ASTM D86
14	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation-90% Recovery at oC, v/v	IS 1448: P: 18
15	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation-Final Boiling Point, oC	ASTM D86
16	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation-Final Boiling Point, oC	IS 1448: P: 18
17	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation-Initial Boiling Point, at oC	ASTM D86
18	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation-Initial Boiling Point, at oC	IS 1448: P: 18

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19	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Doctor test	IS 1448: P:19
20	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Electrical Conductivity	IP 274: 2018 /ASTM D2624
21	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Existent Gum with air, mg/100 ml	IS 1448: P: 29
22	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Flash Point (ABEL)	IS 1448: P: 20
23	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Freezing Point	ASTM D 7153
24	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Freezing Point	IS 1448: P 11
25	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Jet fuel thermal oxidation tester (JFTOT)- Filter Paper Differential	ASTM D 3241
26	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Jet fuel thermal oxidation tester (JFTOT)- Tube Rating, Visual	ASTM D 3241
27	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Kinematic Viscosity @ -20 °C	IS 1448: P: 25
28	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Kinematic Viscosity at -20 °C	ASTM D 445
29	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Loss	ASTM D86
30	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Loss	IS 1448: P: 18
31	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Lubricity, Wear Scar Diameter	ASTM 5001
32	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	MSEP Rating with SDS at the pt of mfr	IS 1448: P: 142
33	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Naphthalenes	IS 1448: P: 118
34	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Particulate contamination	ASTM D 5452
35	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Residue	ASTM D86
36	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Silver Corrosion for 4 h at 50 oC	IS 1571

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37	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Smoke Point	IP 598: 2018/ASTM D1322
38	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Specific Energy MJ/Kg	ASTM D3338
39	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Sulphur, Mercaptan	ASTM D 3227
40	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Total Acidity, mgKOH/g	ASTM D3242-11
41	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Total Acidity, mgKOH/g	IS 1448: P 113
42	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Total Aromatics by HPLC % Vol	ASTM D6379
43	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Total Sulphur	ASTM D 2622
44	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Total Sulphur	ASTM D 4294
45	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Visual appearance	IS 1571
46	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Water reaction : Interface rating	IS 1448: P: 42
47	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	APPEARANCE	IS 2796
48	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	AROMATIC CONTENT	ASTM D6839
49	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	AROMATIC CONTENT	IS 1448 (P 23)
50	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	BENZENE	ASTM D 6839
51	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	COLOUR	IS 2796
52	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Cu CORROSION	ASTM D130
53	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	Cu CORROSION	IS 1448 (P 15)
54	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DENSITY	IS 1448 (P 16)
55	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION	ASTM D86

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56	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	DISTILLATION	IS 1448 (P 18)
57	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	GUM CONTENT (Solvent washed)	ASTM D381
58	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	GUM CONTENT (Solvent washed)	IS 1448 (P 29)
59	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	LEAD	ASTM D5059
60	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	MOTOR OCTANE NO	ASTM D2700
61	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	MOTOR OCTANE NO	IS 1448 (P 26)
62	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	OLEFIN CONTENT	ASTM D6839
63	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	OLEFIN CONTENT	IS 1448 (P 23)
64	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	OXIDATION STABILITY	ASTM D525
65	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	OXIDATION STABILITY	IS 1448 (P 28)
66	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	OXYGEN CONTENT	ASTM D 6839
67	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	REID VAPOUR PRESSURE	ASTM D323
68	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	REID VAPOUR PRESSURE	IS 1448 (P 39)
69	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	RESEARCH OCTANE NO.	ASTM D2699
70	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	RESEARCH OCTANE NO.	IS 1448 (P 27)
71	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	SULPHUR CONTENT	ASTM D 2622
72	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	SULPHUR CONTENT	ASTM D 5453
73	CHEMICAL- PETROLEUM AND PRODUCTS	MOTOR GASOLINE	VAPOUR LOCK INDEX (VLI)	IS 2796
74	CHEMICAL- PETROLEUM AND PRODUCTS	Residue	AVIATION TURBINE FUEL	IS 1448: P: 18