National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, INDIAN OIL CORPORATION LTD., MATHURA REFINERY, MATHURA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 17/03/2022 to 16/03/2024 **Last Amended on** 15/12/2022

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 TURBIN FUEL	Abel Flash Point	IS 1448 (Part 20)
2	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Abel Flash Point	ISO 13736
3	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Color	ASTM D156
4	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Copper Strip Corrosion	IS 1448 (Part 15):2004/(RA)2016
5	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Density	ASTM D4052
6	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Density	IS 1448 (Part 16)(2014)
7	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation	ASTM D86
8	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Distillation	IS 1448 (Part 18):1991/(RA)
9	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Doctor Test	IS 1448 (P-19) RA
10	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Electrical Conductivity	ISO 6297
11	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Existent Gum	IS 1448 (Part 29):2004/(RA)
12	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Freezing Point	ASTM D5972
13	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Freezing Point	IS 1448 (Part 11):2004/ (RA)
14	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Hydrocarbon Type (Aromatics)	IS 1448 (Part 23): 2004/(RA)
15	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	JFTOT	ASTM D3241
16	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	JFTOT	IS 1448(Part 97)
17	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	JFTOT	ISO6249
18	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Kinematic Viscosity	ASTM D7042

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19	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Kinematic Viscosity @ (-) 20 deg C	IS 1448 (Part 25)
20	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Lubricity	ASTM D 5001
21	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Mercaptan Sulphur	IS 1448 (Part 109):2004/(RA)
22	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	MSEP	ASTM D3948
23	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	MSEP	IS 1448 (Part 142):1993/(RA)
24	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Naphthalene	IS 1448 (Part 118)
25	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Particulate Contamination	ASTM D5452
26	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Particulate Cumulative Channel Particle counts	IP 565
27	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Saybolt Colour	ASTM D6045
28	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Silver Strip Corrosion	IS 1571 ANNEXURE B
29	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Smoke Point	IP 598
30	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Smoke Point	IS 1448 (Part 31):
31	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Specific Energy	ASTM D3338
32	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Specific Energy	IS 1448(Part 6):1984/(RA)
33	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Sulphur	ASTM D 4294
34	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Total Acidity	ASTM D3242
35	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Total Acidity	IS 1448 (P 113):1983/ (RA)
36	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Total Aromatics	ASTM D6379
37	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Total Sulphur	ISO 20846

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38	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Visual Appearance	ASTM D4176 (Procedure 1)
39	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Visual Appearance	IS 1571:Rev 10
40	CHEMICAL- PETROLEUM AND PRODUCTS	AVIATION TURBINE FUEL	Water Reaction Interface rating	IS 1448 (Part 42) RA
41	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Absolute Viscosity at 60 °C	ASTM D 2171
42	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Absolute Viscosity at 60 °C	IS 1206 (Part 2)
43	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Flash Point, (Cleveland Open Cup)	ASTM D92
44	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Flash Point, (Cleveland Open Cup)	IS 1448 (Part 69)
45	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Kinematic Viscosity at 135 °C	ASTM D 2170
46	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Kinematic Viscosity at 135 °C	IS 1206 (Part 3)
47	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Penetration at 25 °C, 100g, 5s, 0.1 mm	IS 1203
48	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Penetration at 25oC, 100g, 5s, 0.1 mm	ASTM D5
49	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	RTFOT Residue - Ductility at 25 °C	ASTM D113 (2017) & ASTM D2872
50	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	RTFOT Residue - Ductility at 25 °C	IS 1208 : (Amd 2 : 2004) & ASTM D2872
51	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	RTFOT Residue - Viscosity Ratio at 60 °C	IS 1206 (Part 2) & ASTM D2872
52	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Softening Point (R&B)	ASTM D36
53	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Softening Point (R&B)	IS 1205
54	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Solubility in Trichloroethylene	ASTM 2042
55	CHEMICAL- PETROLEUM AND PRODUCTS	BITUMEN (PAVING GRADE)	Solubility in Trichloroethylene	IS 1216 (Amd 2)