National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LIMITED, QC LABORATORY, BONGAIGAON REFINERY, P.O. DHALIGAON, BONGAIGAON, CHIRANG, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6027 **Page No** 1 of 3

Validity 29/04/2022 to 28/04/2024 **Last Amended on** 11/05/2022

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	ATF	Abel Flash Point	IS 1448 (Part 20):2019
2	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Appearance	ASTM D4176-04
3	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Aromatics content	IS 1448 (P:23)
4	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Auto Smoke point	ASTM D1322
5	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Color, Saybolt	ASTM D156
6	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Copper Strip Corrosion	IS 1448 (P:15)
7	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Density	IS 1448 (P:16)
8	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Distillation (ATF)	ASTM D 86, IS 1448 (Part 18):2020
9	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Doctor Test	IS 1448 (P:19)
10	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Electrical Conductivity	ISO 6297
11	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Existent Gum	IS 1448 (P:29)
12	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Freezing Point(-ve degC)	ASTM D7153
13	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	JFTOT :Pressure differential & Tube Rating	ASTM D3241
14	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Kinematics Viscosity at -20deg C	IS 1448 (Part 25):1976,
15	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Lubricity (BOCLE)	ASTM D5001
16	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Mercaptan Sulphur	IS 1448 (Part 109):2004
17	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	MSEP rating	IS 1448 (P:142)
18	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Naphthalene content	IS 1448 (P:118:

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19	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Particle Counter	IP 564
20	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Particulate contamination at mfr. pt.	ASTM D5452
21	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Silver Strip Corrosion	IP 227
22	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Smoke Point	IS 1448 (P:31)
23	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Specific Energy	ASTM D3338
24	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Total Acidity	IS 1448 (P:113)
25	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Total Sulphur (Analytik Jena)	ASTM D5453
26	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Total Sulphur (ED-XRF)	ASTM D4294
27	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Water Reaction: Interface rating	IS 1448 (P:42)
28	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil	Water Content	IP 358
29	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	Abel Flash Point	IS 1448 (P:20) 2019
30	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	Calculated Cetane Index (CCI)	ASTM D4737
31	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	Density	IS 1448 (P:16)
32	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	Distillation	ASTM D86, IS 1448 (P:18)
33	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	Lubricity (HFRR)	ISO 12156-1, ASTM D6079
34	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	Total Sulphur (Analytik Jena)	ASTM D5453
35	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	Total Sulphur (NSX)	ASTM D5453
36	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	Density	IS 1448 (P:16)
37	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	PMCC Auto Flash Point	IS 1448 (P:21)

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38	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	Total Sulphur (ED-XRF)	ASTM D4294
39	CHEMICAL- PETROLEUM AND PRODUCTS	MS	Density	IS 1448 (P:16)
40	CHEMICAL- PETROLEUM AND PRODUCTS	MS	Distillation	ASTM D86, IS 1448 (Part 18)
41	CHEMICAL- PETROLEUM AND PRODUCTS	MS	MON	IS 1448 (P:26)
42	CHEMICAL- PETROLEUM AND PRODUCTS	MS	RON	IS 1448 (P:27)
43	CHEMICAL- PETROLEUM AND PRODUCTS	MS	Total Sulphur (Analytik Jena)	ASTM D5453
44	CHEMICAL- PETROLEUM AND PRODUCTS	MS	Total Sulphur (NSX)	ASTM D5453
45	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Abel Flash Point	IS 1448 (P:20)
46	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Density	IS 1448 (P:16)
47	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Distillation	ASTM D86, IS 1448 (P:18)
48	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Total Sulphur (Analytik Jena)	ASTM D5453
49	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Total Sulphur (ED-XRF)	ASTM D4294
50	CHEMICAL- PETROLEUM AND PRODUCTS	SRN	Density	IS 1448 (Part 16)
51	CHEMICAL- PETROLEUM AND PRODUCTS	SRN	Distillation	ASTM D86, IS 1448 (Part 18)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD	BIS, 3025 (Part-44)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride	APHA, 4500-Cl-B, 23rd edition
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD	APHA, 5220 B, 23rd edition
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	APHA, 2510 B, 23rd edition
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA, 4500-H+B, 23rd edition