National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SILIGURI LABORATORY, INDIAN OIL CORPORATION LTD. (MD), P.O. BHAKTI NAGAR, SILIGURI, JALPAIGURI, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5868 **Page No** 1 of 5

Validity 28/05/2022 to 27/05/2024 **Last Amended on** -

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	Automotive Diesel Fuel	Appearance (Visual)	SLG/SOP/01
2	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Ash Content	ASTM D482-19
3	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Auto Flash Point (Abel)	IP 170
4	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Auto Kinematic Viscosity	ASTM D7042
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Cetane Index (Calculated)	ASTM D4737-10
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Color (Visual)	SLG/SOP/02
7	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion Test	IS1448 [P:15]
8	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Digital density meter	ASTM D4052-18a
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Hydrometer	IS1448 [P:16]
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation : Auto	ASTM D86-20b
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation : Auto	ASTM D86-20b
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation : Manual	IS1448 [P:18]
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation : Manual	IS1448 [P:18]
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Abel)	IS1448 [P:20]
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (PMCC)	IS1448 [P:21]
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity @40°C	IS1448 [P:25]
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	IS1448 [P:10]
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Total Acid Number	ASTM D664

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Total Sulfur by EDXRF	ISO 13032
20	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Total Sulfur by UV-Fluorescence	ASTM D5453-19
21	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Water Content by Coulometric titration	ASTM D6304-20
22	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	API Gravity	-
23	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Appearance (Visual)	SLG/SOP/01
24	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Auto Flash Point (Abel)	IP 170
25	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Color (Visual)	SLG/SOP/02
26	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Copper Strip Corrosion Test	IS1448 [P:15]
27	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Density by Digital density meter	ASTM D 4052
28	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Density by Hydrometer	IS1448 [P:16]
29	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Distillation : Auto	ASTM D86-20b
30	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Distillation : Auto	ASTM D86-20b
31	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Distillation : Manual	IS1448 [P:18]
32	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Distillation : Manual	IS1448 [P:18]
33	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Flash Point (Abel)	IS1448 [P:20]
34	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Flash Point (PMCC)	IS1448 [P:21]
35	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Kinematic Viscosity @37.8°C	IS1448 [P:25]
36	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Pour Point	IS1448 [P:10]
37	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Relative Density @15°C/15°C	IS1448 [P:32]

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38	CHEMICAL- PETROLEUM AND PRODUCTS	HSD Special Winter Grade	Sulphur (Total)	ASTM D4294-16
39	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Appearance (Visual)	SLG/SOP/01
40	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Aromatics	IS1448 [P:23]
41	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Auto Flash Point (Abel)	IP 170
42	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Auto Kinematic Viscosity	ASTM D7042
43	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Color (Saybolt)	IS1448 [P:14]
44	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Color (Visual)	SLG/SOP/02
45	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Copper Strip Corrosion Test	IS1448 [P:15]
46	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Density by Digital density meter	ASTM D4052-18a
47	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Density by Hydrometer	IS1448 [P:16]
48	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Distillation : Auto	ASTM D86-20b
49	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Distillation : Auto	ASTM D86-20b
50	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Distillation : Manual	IS1448 [P:18]
51	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Distillation : Manual	IS1448 [P:18]
52	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Doctor Test	IS1448 [P:19]
53	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Electrical Conductivity @Test Temperature	ISO 6297
54	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Existent Gum	IS1448 [P:29]
55	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Flash Point (Abel)	IS1448 [P:20]
56	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Freezing Point	IS1448 [P:11]

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57	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Kinematic Viscosity @-20°C	IS1448 [P:25]
58	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Naphthalenes	IS1448 [P:118]
59	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Silver Strip Corrosion Test	IP 227
60	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Smoke Point	IS1448 [P:31]
61	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Smoke Point (with napthalenes)	ISO 3014
62	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Specific Energy (Calculated)	ASTM D3338
63	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Sulphur - Mercaptan	IS1448 [P:109]
64	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Total Acidity	IS1448 [P:113]
65	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Total Sulfur by EDXRF	ASTM D4294-16
66	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1 (Aviation Turbine Fuel)	Water-Reaction-Interface Rating	IS1448 [P:42]
67	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Appearance (Visual)	SLG/SOP/01
68	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Auto Flash Point (Abel)	IP 170
69	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Color (Saybolt)	IS1448 [P:14]
70	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Color (Visual)	SLG/SOP/02
71	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion Test	IS1448 [P:15]
72	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Digital density meter	ASTM D4052-18a
73	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Hydrometer	IS1448 [P:16]
74	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation : Auto	ASTM D86-20b
75	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation : Auto	ASTM D86-20b

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76	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation : Manual	IS1448 [P:18]
77	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation : Manual	IS1448 [P:18]
78	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IS1448 [P:20]
79	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IS1448 [P:31]
80	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulfur by EDXRF	ASTM D4294-16
81	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Appearance (Visual)	SLG/SOP/01
82	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Color (Visual)	SLG/SOP/02
83	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Copper Strip Corrosion Test	IS1448 [P:15]
84	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Density by Digital density meter	ASTM D4052 – 18a
85	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Density by Hydrometer	IS1448 [P:16]
86	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Distillation : Auto	ASTM D86-20b
87	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Distillation : Auto	ASTM D86-20b
88	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Distillation : Manual	IS1448 [P:18]
89	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Distillation : Manual	IS1448 [P:18]
90	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Gum Content	IS1448 [P:29]
91	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Total Sulfur by EDXRF	ISO 13032
92	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline and Variants	Total Sulfur by UV-Fluorescence	ASTM D5453-19