National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LIMITED, VASCO LABORATORY, GOA, VASCO TERMINAL, VASCO, GOA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7919 **Page No** 1 of 7

Validity 16/02/2022 to 15/02/2024 **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	AVGAS	ANILINE POINT	IS 1448 P:3/ D 611
2	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	APPEARANCE	Visual
3	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	COLOUR	Visual
4	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	COPPER STRIP CORROSION TEST	IS 1448 P:15/ IP:154/ D:130
5	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	DENSITY BY HYDROMETER	IS 1448 P:16/ IP:160/ D:1298
6	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	DISTILLATION (FBP)	IS 1448 P:18/ IP:123/ D:86
7	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	DISTILLATION (IBP)	IS 1448 P:18/ IP:123/ D:86
8	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	EXISTENT GUM (ROE)	IS 1448 P:29/ IP:131/ D:381
9	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	FREEZING POINT	IS 1448 P:11/ IP:16/ D:2386
10	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	SULPHUR BY ED XRF	ASTM D4294
11	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	VAPOUR PRESSURE BY REID	IS 1448 P-39/ IP:69/ D:323
12	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	ASH CONTENT	IS 1448 P-4/ IP:4/ D:482
13	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	CALORIFIC VALUE GROSS (BY CALCULATION)	IS 1448 P:7
14	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	CALORIFIC VALUE NET (BY CALCULATION)	IS 1448 P:7
15	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	CARBON RESIDUE BY CONRADSON	IS 1448 P:122/ IP:13/ D:189
16	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	DENSITY BY HYDROMETER	IS 1448 P:16/ IP:160/ D:1298
17	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	FLASH POINT (PMCC)	IS 1448 P:21/ IP:34/ D:93
18	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	KINEMATIC VISCOSITY @ 50°C	IS 1448 P:25/ IP:71/ D:445

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LIMITED, VASCO LABORATORY, GOA, VASCO TERMINAL, VASCO, GOA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7919 **Page No** 2 of 7

Validity 16/02/2022 to 15/02/2024 **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
19	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	POUR POINT	IS 1448 P:10/ IP:15/ D:97
20	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	SEDIMENT BY EXTRACTION	IS 1448 P:30/ IP:58/ D:473
21	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	SULPHUR BY ED XRF	ASTM D-4294
22	CHEMICAL- PETROLEUM AND PRODUCTS	FO & Other Variants	WATER CONTENT BY DEAN & STARK	IS 1448 P-40/ IP:74/ D:95
23	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	Acidity Inorganic	IS1448 P:2/ IP:182
24	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	ACIDITY TOTAL	IS 1448 P-2
25	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	APPEARANCE	Visual
26	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	ASH CONTENT	IS 1448 P:4/ IP:4/ D:482
27	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	CETANE INDEX BY CALCULATION	IP:380/ D:976
28	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	COLOUR	Visual
29	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	COPPER STRIP CORROSION RATING	IS 1448 P:15/ IP:154/ D:130
30	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	DENSITY BY HYDROMETER	IS 1448 P:16/ IP:160/ D:1298
31	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	Density(Auto)	ASTM D:4052
32	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	DISTILLATION (95% REC.°C)	IS:1448 P-18/ IP:123/ D:86
33	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	FLASH POINT (ABEL)	IS 1448 P:20/ IP:170
34	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	Flash Point (Auto)	ISO 13736
35	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	KINEMATIC VISCOSITY @ 40°C	IS 1448 P:25/ IP:71/ D:445
36	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	Kinematic Viscosity@40°C (Auto)	ASTM D:4052
37	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	POUR POINT	IS 1448 P:10/ IP:15/ D:97

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LIMITED, VASCO LABORATORY, GOA, VASCO TERMINAL, VASCO, GOA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7919 **Page No** 3 of 7

Validity 16/02/2022 to 15/02/2024 **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
38	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	SULPHUR BY UV FL Analyzer	ASTM D5453
39	CHEMICAL- PETROLEUM AND PRODUCTS	HSD & Other Variants	WATER CONTENT BY KARL FISHER	ISO 6296
40	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	ACIDITY TOTAL	IS 1448, P-113/ IP:354/ D:3242
41	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	APPEARANCE	Visual
42	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	AROMATICS (FIA)	IS 1448 P-23/ IP:156/ D:1319
43	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	COLOUR (SAYBOLT)	IS 1448 P-14/ D:156
44	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	COPPER CORROSION TEST	IS 1448 P:15/ IP:154/ D:130
45	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	DENSITY BY HYDORMETER	IS 1448 P:16/ IP:160/ D:1298
46	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	DISTILLATION (FBP)	IS:1448 P:18/ IP:123/ D:86
47	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	DISTILLATION (IBP)	IS:1448 P:18/ IP:123/ D:86
48	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	DOCTOR TEST	IS 1448 P:19/ IP:30/ D:4952
49	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	ELECTRICAL CONDUCTIVITY	IS 1448 P:148/ ASTM D2624/ IP:274
50	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	EXISTENT GUM (ROE)	IS:1448 P-29/ IP:131/ D:381
51	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	FLASH POINT (ABEL)	IS 1448 P:20/ IP:170
52	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	Flash Point Abel (Auto)	ISO 13736
53	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	FREEZING POINT	IS 1448 P:11/IP:16/ D:2386
54	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	Kinematic Viscosity @ -20°C (Auto)	ASTM D:4052
55	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	KINEMATIC VISCOSITY @-20°C	IS 1448 P:25/ IP:71/ D:445
56	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	MERCAPTAN SULPHUR	IS 1448 P:109/ IP:342/ D:3227

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LIMITED, VASCO LABORATORY, GOA, VASCO TERMINAL, VASCO, GOA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7919 **Page No** 4 of 7

Validity 16/02/2022 to 15/02/2024 **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
57	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	NAPHTHALENE CONTENT	IS 1448 P:118/ D:1840
58	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	OLEFINS (FIA)	IS 1448 P-23/ IP:156/ D:1319
59	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	SILVER STRIP CORROSION	IP-227
60	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	SMOKE POINT	IS 1448 P:31/ IP:57/ D:1322
61	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	SPECIFIC ENERGY	ASTM D3338
62	CHEMICAL- PETROLEUM AND PRODUCTS	JET A-1	SULPHUR BY ED XRF	IP:336 / ASTM D-4294
63	CHEMICAL- PETROLEUM AND PRODUCTS	Jet A-1	WATER REACTION OF AVIATION FUEL	IS 1448 P:42/ IP:289/ D:1094
64	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	ACIDITY INORGANIC	IS:1448 P-2/ IP:182
65	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	ACIDITY TOTAL	IS 1448 P:113/ IP:354/ D:3242
66	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	APPEARANCE	Visual
67	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	AROMATICS (FIA)	IS 1448 P:23/ IP:156/ D:1319
68	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	COLOUR (SAYBOLT)	IS 1448 P:14/ D:156
69	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	COPPER STRIP CORROSION TEST	IS 1448 P:15/ IP:154/ D:130
70	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	DENSITY BY HYDROMETER	IS 1448 P:16/ IP:160/ D:1298
71	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	DISTILLATION (FBP)	IS 1448 P:18/ IP:123/ D:86
72	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	DISTILLATION (IBP)	IS 1448 P:18/ IP:123/ D:86
73	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	DOCTOR TEST	IS 1448 P:19/ IP:30/ D:4952
74	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	EXISTENT GUM (ROE)	IS 1448 P:29/ IP:131/ D:381
75	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	FLASH POINT (PMCC)	IS 1448 P-21/ IP:34/ D:93

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LIMITED, VASCO LABORATORY, GOA, VASCO TERMINAL, VASCO, GOA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7919 **Page No** 5 of 7

Validity 16/02/2022 to 15/02/2024 **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
76	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	FREEZING POINT	IS 1448 P:11/ IP:16/ D:2386
77	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	KINEMATIC VISCOSITY @ -20°C	IS 1448 P:25/ IP:71/ D:445
78	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	MERCAPTAN SULPHUR	IS 1448 P:109/ IP:342/ D:3227
79	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	OLEFINS (FIA)	IS 1448 P:23/ IP:156/ D:1319
80	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	SILVER STRIP CORROSION TEST	IP-227
81	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	SMOKE POINT	IS 1448 P:31/ IP:57/ D:1322
82	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	SPECIFIC ENERGY (BY CALCULATION)	ASTM D3338
83	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	SULPHUR BY ED XRF	IP :336/ ASTM D4294
84	CHEMICAL- PETROLEUM AND PRODUCTS	JP-5	WATER REACTION	IS 448 P:42/ IP:289/ D:1094
85	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	ACIDITY TOTAL	IS 1448 P:2
86	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	APPEARANCE	Visual
87	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	ASH CONTENT	IS 1448 P:4/ IP:4/ D:482
88	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	CETANE INDEX (BY CALCULATION)	IP:380/ D:976
89	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	COLOUR (ASTM)	ASTM D 1500/ IP:196
90	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	COPPER STRIP CORROSION TEST	IS 1448 P:15/ IP:154/ D:130
91	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	DENSITY BY HYDROMETER	IS 1448 P:16/ IP:160/ D:1298
92	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	DISTILLATION (REC. @ 350°C)	IS:1448 P-18/ IP:123/ D:86
93	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	DISTILLATION (REC. @370°C)	IS:1448 P-18/ IP:123/ D:86
94	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	FLASH POINT (PMCC)	IS 1448 P:21/ IP:34/ D:93

SCOPE OF ACCREDITATION

Laboratory Name : INDIAN OIL CORPORATION LIMITED, VASCO LABORATORY, GOA, VASCO TERMINAL, VASCO, GOA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7919 **Page No** 6 of 7

Validity 16/02/2022 to 15/02/2024 **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
95	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	KINEMATIC VISCOSITY @ 40°C	IS 1448 P:25/ IP:71/ D:445
96	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	POUR POINT	IS 1448 P:10/ IP:15/ D:97
97	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	SEDIMENTS BY EXTRACTION	IS 1448 P:30/ IP:53 /D:473
98	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	SULPHUR BY EDXRF	ASTM D-4294/ IP:336
99	CHEMICAL- PETROLEUM AND PRODUCTS	LSHFHSD / HFHSD	WATER CONTENT BY KARL FISHER	ISO 6296
100	CHEMICAL- PETROLEUM AND PRODUCTS	MS & Other Variants	Appearance	Visual
101	CHEMICAL- PETROLEUM AND PRODUCTS	MS & Other Variants	COLOUR	Visual
102	CHEMICAL- PETROLEUM AND PRODUCTS	MS & Other Variants	COPPER STRIP CORROSION TEST	IS 1448 P:15/ IP:154/ D:130
103	CHEMICAL- PETROLEUM AND PRODUCTS	MS & Other Variants	DENSITY BY HYDROMETER	IS 1448 P:16/ IP:160/ D:1298
104	CHEMICAL- PETROLEUM AND PRODUCTS	MS & Other Variants	DISTILLATION (FBP)	IS:1448 P:18/ IP:123/ D:86
105	CHEMICAL- PETROLEUM AND PRODUCTS	MS & Other Variants	DISTILLATION (IBP)	IS:1448 P:18/ IP:123/ D:86
106	CHEMICAL- PETROLEUM AND PRODUCTS	MS & Other Variants	EXISTENT GUM (ROE)	IS 1448 P:29/ IP:131/ D:381
107	CHEMICAL- PETROLEUM AND PRODUCTS	MS & Other Variants	SULPHUR BY UV FL Analyzer	ASTM D5453
108	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	APPEARANCE	Visual
109	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	COLOUR	Visual
110	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	COLOUR (SAYBOLT)	IS 1448 P-14/ D:156
111	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	COPPER STRIP CORROSION TEST	IS 1448 P:15/ IP:154/ D:130
112	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	DENSITY BY HYDROMETER	IS 1448 P:16/ IP:160/ D:1298
113	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	DISTILLATION (FBP)	IS 1448 P:18/ IP:123/ D:86

SCOPE OF ACCREDITATION

Laboratory Name :	INDIAN OIL CORPORATION LIMITED, VASCO LABORATORY, GOA, VASCO TERMINAL, VASCO, GOA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7919	**Page No**	7 of 7
Validity	16/02/2022 to 15/02/2024	**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
114	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	DISTILLATION (REC. @ 200°C)	IS 1448 P:18/ IP:123/ D:86
115	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	FLASH POINT (ABEL)	IS 1448 P:20/ IP:170
116	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Flash Point (Auto)	ISO 13736
117	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	SMOKE POINT	IS 1448 P:31/ IP:57/ D:1322
118	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	SULPHUR BY ED XRF	ASTM D-4294/ IP:336