National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : JALANDHAR TERMINAL LABORATORY- INDIAN OIL CORPORATION LTD (MD), PIPE LINE TERMINAL, SUCHIPIND, JALANDHAR, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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	Additives - NMA (N-Methyl Aniline)	Density @ 15°C(Auto)	ASTM D4052
2	CHEMICAL- PETROLEUM AND PRODUCTS	Additives - NMA (N-Methyl Aniline)	Flash Point(PMCC)	IS 1448 (Part 21)
3	CHEMICAL- PETROLEUM AND PRODUCTS	AV Gas 100LL, MS & its Variants & JETA-1, HSD & its Variants, SKO, Biodiesel	Copper Strip Corrosion Test	IS 1448 (Part 15)
4	CHEMICAL- PETROLEUM AND PRODUCTS	AV Gas 100LL, MS & its Variants, Biodiesel, HSD & its Variants, SKO, NMA	Density by Hydrometer	IS 1448 (Part 16)
5	CHEMICAL- PETROLEUM AND PRODUCTS	AV Gas 100LL, MS & its Variants, HSD & its Variants, SKO, NMA	Density@15°C(Auto)	ASTM D4052
6	CHEMICAL- PETROLEUM AND PRODUCTS	AV GAS100LL	Aniline Point	ASTM D611
7	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Aniline Point	IS 1448 (Part 3)
8	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Density@15°C(Auto)	ASTM D4052
9	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Distillation	IS 1448 (Part 18)
10	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Distillation (Auto)	ASTM D86
11	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Distillation Loss	ASTM D86
12	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Distillation Loss	IS 1448 (Part 18)
13	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Distillation Residue	ASTM D86
14	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Distillation Residue	IS 1448 (Part 18)
15	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Existent Gum	ASTM D381
16	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Reid Vapour Pressure	ASTM D323
17	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL	Reid Vapour Pressure	IS 1448 (Part 39)
18	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS 100LL	Specific Energy	ASTM D4529

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19	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS 100LL	Total Sulphur Content	ASTM D5453
20	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL, Additives (Xtra Premium, Xtra Green, NMA, Nalco, Dorf, Anti-oxidant)	Density by Hydrometer	IS 1448 (Part 16)
21	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL, JETA-1	Existent Gum	IS 1448 (Part 29)
22	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL, JETA-1	Copper Strip Corrosion Test	ASTM D130
23	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL, JETA-1	Water Reaction	ASTM D1094
24	CHEMICAL- PETROLEUM AND PRODUCTS	AVGas 100LL, JETA-1	Water Reaction	IS 1448 (Part 42)
25	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, HSD& its Variants	Acid Value	ASTM D974
26	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, HSD& its Variants	Acid Value	IS 1448 (Part 2)
27	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, HSD& its Variants	CFPP	ASTM D6371
28	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, HSD& its Variants	CFPP	IS 1448 (Part 110)
29	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, HSD& its Variants	Distillation,95% Recovery	ASTM D86
30	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, HSD& its Variants	Distillation,95% Recovery	IS 1448(Part 18)
31	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, HSD& its Variants	Kinematic Viscosity (Auto) @40°C	ASTM D7042
32	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, HSD& its Variants	Kinematic Viscosity@40 °C	IS 1448 (Part 25/Section 1)
33	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, HSD& its Variants, LDO, FO, Xtra Premium Additive	Pour Point	IS 1448 (Part 10/Section 2)
34	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, LDO, FO, HSD& its Variants	Gross Calorific Value	IS 1448 (Part 7)
35	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel,HSD& its Variants, MS & its Variants,JETA-1,SKO,AVGas 100LL,Ethanol.Additives - NMA (N-Methyl Aniline)	Appearance (Visual)	(SOP No. QCD7.4-WI-10) Visual
36	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Acidity	IS 15464 Annex D

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37	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Aldehyde Content	IS 15464
38	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Alkalinity	IS 15464 Annex D
39	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Ethanol Content %vol @15.6 °C	IS 2302
40	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Miscibility with Water	IS 15464 Annex J
41	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	ROE (Residue on Evaporation)	IS 15464 Annex C
42	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Specific Gravity @ 15.6 °C	IS 321
43	CHEMICAL- PETROLEUM AND PRODUCTS	HSD and Its Variants	Calculated Cetane Index	ASTM D4737
44	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Aromatics & Olefins	ASTM D1319
45	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Aromatics & Olefins	IS 1448 (Part 23)
46	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Distillation (Temperature @ IBP, FBP, T10, T50, T90, %recovered)	ASTM D86
47	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Distillation (Temperature @ IBP, FBP, T10, T50, T90, %recovered)	IS 1448 (Part 18)
48	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Distillation Loss	ASTM D86
49	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Distillation Loss	IS 1448 (Part 18)
50	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Distillation Residue	ASTM D86
51	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Distillation Residue	IS 1448 (Part 18)
52	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Electrical Conductivity	ASTM D2624
53	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Electrical Conductivity	IP 274
54	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Electrical Conductivity	IS 1448 (Part 148)

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55	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Electrical Conductivity	ISO 6297
56	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Existent Gum	ASTM D381
57	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Existent Gum	IS 1448 (Part 29)
58	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Freezing Point	ASTM D2386
59	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Freezing Point	ASTM D7153
60	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Freezing Point	IS 1448 (Part 11)
61	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Kinematic Viscosity @ -20 °C	ASTM D445
62	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Kinematic Viscosity @-20 °C	IS 1448 (Part 25/Section 1)
63	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Kinematic Viscosity @-20°C	ASTM D7042
64	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Mercaptan Sulphur	ASTM D3227
65	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Mercaptan Sulphur	IS 1448 (Part 109)
66	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Napthalenes	ASTM D1840
67	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Napthalenes	IS 1448 (Part 118)
68	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Silver Strip Corrosion Test	IS 1571(Annexure B)
69	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Specific Energy	ASTM D3338
70	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Total Acidity	ASTM D3242
71	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Total Acidity	IS 1448 (Part 113)
72	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Total Sulphur Content	ASTM D4294
73	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Total Sulphur Content	ASTM D5453

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74	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1	Water Reaction-Interface Rating	IS 1448 (Part 42)
75	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO	Colour Saybolt	ASTM D156
76	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO	Colour Saybolt	IS 1448 (Part 14)
77	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO	Density @15°C	ASTM D1298
78	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO	Density by Hydrometer	IS 1448 (Part 16)
79	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO	Density@15°C(Auto)	ASTM D4052
80	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO	Smoke Point	ASTM D1322
81	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO	Smoke Point	IS 1448 (Part 31)
82	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO	Smoke Point	ISO 3014
83	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO	Total Sulphur Content	ASTM D4294
84	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO, HSD & its Variants	Flash Point (Abel)	IP 170
85	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO, HSD & its Variants	Flash Point (Abel)	IS 1448 (Part 20)
86	CHEMICAL- PETROLEUM AND PRODUCTS	JETA-1, SKO, HSD & its Variants	Flash Point (Abel) (Auto)	ISO 13736
87	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO	Ash Content	IS 1448 (Part 4/Section 2)
88	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO	Kinematic Viscosity @ 100°C	ASTM D7042
89	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO	Kinematic Viscosity@ 50°C	ASTM D7042
90	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO	Sediments by Extraction	IS 1448 (Part 30)
91	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO	Total Sulphur Content	ASTM D4294
92	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO	Water Content by Distillation	IS 1448 (Part 40)

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93	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO, Additives (Xtra Premium, Xtra Green, NMA, Nalco, Dorf, Anti-oxidant)	Kinematic Viscosity @ 100°C	IS 1448 (Part 25/Section 1)
94	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO, Additives (Xtra Premium, Xtra Green, NMA, Nalco, Dorf, Anti-oxidant)	Kinematic Viscosity @ 40°C	IS 1448 (Part 25/Section 1)
95	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO, Additives (Xtra Premium, Xtra Green, NMA, Nalco, Dorf, Anti-oxidant)	Kinematic Viscosity @ 50°C	IS 1448 (Part 25/Section 1)
96	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO, Biodiesel	Flash Point (PMCC)	IS 1448 (Part 21)
97	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO, NMA	Density by Hydrometer	IS 1448 (Part 16)
98	CHEMICAL- PETROLEUM AND PRODUCTS	LDO,FO	Kinematic Viscosity@ 40°C	ASTM D7042
99	CHEMICAL- PETROLEUM AND PRODUCTS	MS & its Variants	Density by Hydrometer	IS 1448 (Part 16)
100	CHEMICAL- PETROLEUM AND PRODUCTS	MS & its Variants	Distillation (%evaporated @ 70°C,100°C,150°C & FBP)	IS 1448 (Part 18)
101	CHEMICAL- PETROLEUM AND PRODUCTS	MS & its Variants	Distillation (%evaporated@ 70°C,100°C,150°C & FBP)	ASTM D86
102	CHEMICAL- PETROLEUM AND PRODUCTS	MS & its Variants	Distillation (Final Boiling Point)	ASTM D86
103	CHEMICAL- PETROLEUM AND PRODUCTS	MS & its Variants	Distillation (Final Boiling Point)	IS 1448 (Part 18)
104	CHEMICAL- PETROLEUM AND PRODUCTS	MS & its Variants	Distillation Residue	ASTM D86
105	CHEMICAL- PETROLEUM AND PRODUCTS	MS & its Variants	Distillation Residue	IS 1448 (Part 18)
106	CHEMICAL- PETROLEUM AND PRODUCTS	MS & its Variants, Biodiesel, HSD & its Variants, SKO	Total Sulphur Content	ISO 20846
107	CHEMICAL- PETROLEUM AND PRODUCTS	MS & its Variants, Biodiesel, HSD& its Variants, SKO	Total Sulphur Content	ASTM D5453
108	CHEMICAL- PETROLEUM AND PRODUCTS	MS and Its Variants	Ethanol Content	IS 2796
109	CHEMICAL- PETROLEUM AND PRODUCTS	MS& its Variants	Existent Gum (Solvent Washed)	IS 1448(Part 29)