National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HALDIA LABORATORY, INDIAN OIL CORPORATION LTD. (MD), HALDIA INSTALLATION, HALDIA, MEDINIPUR EAST, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 02/06/2022 to 01/06/2024 **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, High Speed Diesel [HSD]	10% Recovery at, °C	ASTM D86-20b
2	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	10% Recovery at, °C	IS 1448 [P:18]
3	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	50% Vol. Recovery at, °C	ASTM D86-20b
4	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	50% Vol. Recovery at, °C	IS 1448 [P:18]
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	90% Vol. Recovery at, °C	IS 1448 [P:18]
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	95% Vol. Recovery at, °C	ASTM D86-20b
7	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	95% Vol. Recovery at, °C	IS 1448 [P:18]
8	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Appearance	ASTM D4176-21a
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Appearance	IOCM MGS-1
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	ASTM Color, ASTM Color Unit	ASTM D1500-12
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Auto Flash Point (Abel), °C	IP 170
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Calculated Cetane Index, Index	ASTM D4737-21
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Cloud Point, °C	ASTM D2500 – 17a
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Cloud Point, °C	IS 1448 [P:10,Sec-1]
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Cold Filter Plugging Point, °C	ASTM D6371-17a
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Cold Filter Plugging Point, °C	IS 1448 [P:110]
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Copper Strip Corrosion, Class	ASTM D130-19
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Copper Strip Corrosion, Class	IS 1448 [P:15]

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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
19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Density by Digital Density Meter, kg/m3	ASTM D4052-18a
20	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Density by Hydrometer, kg/m3	ASTM D1298-12b
21	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Density by Hydrometer, kg/m3	IS 1448 [P:16]
22	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Final Boiling Point, °C	ASTM D86-20b
23	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Final Boiling Point, °C	IS 1448 [P:18]
24	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Flash Point (Abel), °C	Is 1448 [P:20]
25	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Flash Point (PMCC), °C	ASTM D93-20
26	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Flash Point (PMCC), °C	IS 1448 [P:21]
27	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Initial Boiling Point, °C	ASTM D86-20b
28	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Initial Boiling Point, °C	IS 1448 [P:18]
29	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Kinematic Viscosity at 40° C, cSt	ASTM D445 - 21
30	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Kinematic Viscosity at 40° C, cSt	IS 1448 [P: 25]
31	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Kinematic Viscosity at RT°C to100° C, cSt	ASTM D7042-21a
32	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Loss, %(v/v)	ASTM D86-20b
33	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Loss, %(v/v)	IS 1448 [P:18]
34	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Pour Point, °C	ASTM D97–17b
35	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Pour Point, °C	IS 1448 [P:10,Sec-2]
36	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Ramsbottom Carbon Residue, %m/m	ASTM D524-15
37	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Ramsbottom Carbon Residue, %m/m	IS 1448 [P: 8]

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Residue, %(v/v)	ASTM D86-20b
39	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Residue, %(v/v)	IS 1448 [P:18]
40	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Total Acid Number, mg/g KOH	ASTM D664-18
41	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Total Acid Number, mg/g KOH	IS 1448 [P:2]
42	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Total Sulfur Content, mg/kg	ASTM D5453-19a
43	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Visual Color	IOCM MGS-1
44	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel [HSD]	Water Content, mg/kg	ASTM D6304-20
45	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel,High Speed Diesel [HSD]	90% Vol. Recovery at, °C	ASTM D86-20b
46	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	10% Vol. Recovery at, °C	ASTM D86-20b
47	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	10% Vol. Recovery at, °C	IS 1448 [P:18]
48	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	50% Vol. Recovery at, °C	ASTM D86-20b
49	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	50% Vol. Recovery at, °C	IS 1448 [P:18]
50	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	90% Vol. Recovery at, °C	ASTM D86-20b
51	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	90% Vol. Recovery at, °C	IS 1448 [P:18]
52	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Appearance.	ASTM D4176-21a
53	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Auto Flash Point (Abel), °C	IP 170
54	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Copper Strip Corrosion, Class	ASTM D130-19
55	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Copper Strip Corrosion, Class	IS 1448 [P:15]
56	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Density by Digital DensityMeter, kg/m3	ASTM D4052-18a

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Density by Hydrometer, kg/m3	ASTM D1298-12b
58	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Density by Hydrometer, kg/m3	IS 1448 [P:16]
59	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Doctor Test	ASTM D4952-12
60	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Doctor Test	IS 1448 [P:19]
61	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Electrical Conductivity, pS/m	ASTM D2624
62	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Electrical Conductivity, pS/m	IS 1448 [P:148]
63	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Existent Gum with air, mg/100 ml	ASTM D381-19
64	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Existent Gum with air, mg/100 ml	IS 1448 [P:29]
65	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Final Boiling Point, °C	ASTM D86-20b
66	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Final Boiling Point, °C	IS 1448 [P:18]
67	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Flash Point (Abel), °C	IS 1448 [P: 20]
68	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Freezing Point, °C	ASTM D2386-19
69	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Freezing Point, °C	IS1448 [P:11]
70	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Initial Boiling Point, °C	ASTM D86-20b
71	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Initial Boiling Point, °C	IS 1448 [P:18]
72	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Loss, %(v/v)	ASTM D86-20b
73	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Loss, %(v/v)	IS 1448 [P:18]
74	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Residue, %(v/v)	ASTM D86-20b
75	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Residue, %(v/v)	IS 1448 [P:18]

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76	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Saybolt Color, Color Unit	ASTM D156-15
77	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Saybolt Colour, Color Unit	IS 1448 [P:14]
78	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Silver Strip Corrosion, Rating	IP 227
79	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Smoke Point, mm	ASTM D1322-19
80	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Smoke Point, mm	IS 1448 [P:31]
81	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Total Acid Number, mg/g KOH	ASTM D664-18
82	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Total Acid Number, mg/g KOH	IS 1448 [P:2]
83	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Water Content, mg/kg	ASTM D6304-20
84	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Water Reaction, Rating	ASTM D1094-07
85	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type JET A-1 [ATF]	Water Reaction, Rating	IS 1448 [P:42]
86	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel, Kerosene Type, JETA-1	Appearance	IOCM MGS-1
87	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Density by Hydrometer, kg/m3	ASTM D1298-12b
88	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Density by Hydrometer, kg/m3	IS 1448 [P:16]
89	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Flash Point (PMCC), °C	ASTM D93-20
90	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Flash Point (PMCC), °C	IS 1448 [P:21]
91	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Kinematic Viscosity, cSt	ASTM D445-21
92	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Kinematic Viscosity, cSt	IS 1448 [P:25]
93	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Pour Point, °C	ASTM D97–17b
94	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Pour Point, °C	IS 1448 [P:10,Sec-2]

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95	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Sediment Content by Extraction, %(w/w)	ASTM D473-07
96	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Sediment Content by Extraction, %(w/w)	IS 1448 [P: 30]
97	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Water Content, %(v/v)	ASTM D95 -13
98	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil [FO]	Water Content, %(v/v)	IS 1448 [P:40]
99	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene ,Superior Kerosene Oil [SKO]	Appearance	IOCM MGS-1
100	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Appearance	ASTM D4176-21a
101	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Auto Flash Point (Abel), °C	IP 170
102	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Copper Strip Corrosion, Class	ASTM D130-19
103	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Copper Strip Corrosion, Class	IS 1448 [P:15]
104	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Density by Digital Density Meter, kg/m3	ASTM D4052-18a
105	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Density by Hydrometer, kg/m3	ASTM D1298-12b
106	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Density by Hydrometer, kg/m3	IS 1448 [P:16]
107	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Final Boiling Point, °C	ASTM D86-20b
108	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Final Boiling Point, °C	IS 1448 [P:18]
109	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Flash Point (Abel), °C	IS 1448 [P: 20]
110	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Initial Boiling Point, °C	ASTM D86-20b
111	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Initial Boiling Point, °C	IS 1448 [P:18]
112	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Loss, %(v/v)	IS 1448 [P:18]
113	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Residue, %(v/v)	ASTM D86-20b

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114	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Residue, %(v/v)	IS 1448 [P:18]
115	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Saybolt Color, Color Unit	ASTM D156-15
116	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Saybolt Colour, Color Unit	IS 1448[P:14]
117	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Silver Strip Corrosion, Rating	IP 227
118	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Smoke Point, mm	ASTM D1322-19
119	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Smoke Point, mm	IS 1448 [P:31]
120	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Total Sulfur Content, mg/kg	ASTM D5453-19a
121	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Visual Color	IOCM MGS-1
122	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Vol. Recovery at 200 °C, %(v/v)	ASTM D86-20b
123	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Vol. Recovery at 200 °C, %(v/v)	IS 1448 [P:18]
124	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Superior Kerosene Oil [SKO]	Water Content, mg/kg	ASTM D6304-20
125	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Appearance	IOCM MGS-1
126	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Appearance.	ASTM D4176-21a
127	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Cloud Point, °C	ASTM D2500 – 17a
128	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Cloud Point, °C	IS 1448 [P:10,Sec-1]
129	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Density by Digital Density Meter, kg/m3	ASTM D4052-18a
130	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Density by Hydrometer, kg/m3	ASTM D1298-12b
131	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Density by Hydrometer, kg/m3	IS 1448 P:16]
132	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Flash Point (PMCC), °C	ASTM D93-20

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133	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Flash Point (PMCC), °C	IS 1448 [P:21]
134	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Kinematic Viscosity at 40° C, cSt	ASTM D445 - 21
135	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Kinematic Viscosity at 40° C, cSt	IS 1448 [P: 25]
136	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Kinematic Viscosity at RT°C to100° C, cSt	ASTM D7042-21a
137	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Pour Point, °C	ASTM D97–17b
138	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Pour Point, °C	IS 1448 [P:10,Sec-2]
139	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Sediment Content by extraction, %(w/w)	ASTM D473-07
140	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Sediment Content by Extraction, %(w/w)	IS 1448 [P: 30]
141	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Water Content, %(v/v)	ASTM D95 -13
142	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil [LDO]	Water Content, %(v/v)	IS 1448 [P:40]
143	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	10% Vol. Recovery at, °C	IS 1448 [P:18]
144	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	90% Vol. Recovery at, °C	IS 1448 [P:18]
145	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Appearance.	ASTM D4176-21a
146	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	ASTM Color, ASTM Color Unit	ASTM D1500-12
147	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Calculated Cetane Index, Index	ASTM D4737-21
148	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Cloud Point, °C	ASTM D2500 – 17a
149	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Cloud Point, °C	IS 1448 [P:10,Sec-1]
150	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Cold Filter Plugging Point, °C	ASTM D6371-17a
151	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Cold Filter Plugging Point, °C	IS 1448 [P:110]

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152	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Copper Strip Corrosion, Class	ASTM D130-19
153	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Copper Strip Corrosion, Class	IS 1448 [P:15]
154	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Density by Digital Density Meter, kg/m3	ASTM D4052-18a
155	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Density by Hydrometer, kg/m3	ASTM D1298-12b
156	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Density by Hydrometer, kg/m3	IS 1448 [P:16]
157	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Final Boiling Point, °C	ASTM D86-20b
158	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Final Boiling Point, °C	IS 1448 [P:18]
159	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Flash Point (PMCC), °C	ASTM D93 - 20
160	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Flash Point (PMCC), °C	IS 1448 [P:21]
161	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Initial Boiling Point, °C	ASTM D86-20b
162	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Initial Boiling Point, °C	IS 1448 [P:18]
163	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Kinematic Viscosity at 40° C, cSt	ASTM D445–21
164	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Kinematic Viscosity at 40° C, cSt	IS 1448 [P: 25]
165	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Kinematic Viscosity at RT°C to100° C, cSt	ASTM D7042-21a
166	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Loss, %(v/v)	ASTM D86-20b
167	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Loss, %(v/v)	IS 1448 [P:18]
168	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Pour Point, °C	ASTM D97–17b.
169	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Pour Point, °C	IS 1448 [P:10,Sec-2]
170	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Ramsbottom Carbon Residue, %m/m	ASTM D524-15

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171	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Ramsbottom Carbon Residue, %m/m	IS 1448 [P: 8]
172	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Residue, %(v/v)	ASTM D86-20b
173	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Residue, %(v/v)	IS 1448 [P:18]
174	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Sediment Content by Extraction, %(w/w)	ASTM D473-07
175	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Sediment Content by Extraction, %(w/w)	IS 1448 [P: 30]
176	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Total Acid Number, mg/g KOH	ASTM D664-18
177	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Total Acid Number, mg/g KOH	IS 1448 [P:2]
178	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Total Particulate Contaminant, g/m3	ASTM D-6217-21
179	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Total Sulfur Content, mg/kg	ASTM D5453-19a
180	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL) [HFHSD]	Water Content, mg/kg	ASTM D6304-20
181	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL), [HFHSD]	10% Vol. Recovery at, °C	ASTM D86-20b
182	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL), [HFHSD]	50% Vol. Recovery at, °C	IS 1448 [P:18]
183	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL), [HFHSD]	90% Vol. Recovery at, °C	ASTM D86-20b
184	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur High Flash HSD(MIL),[HFHSD]	50% Vol. Recovery at, °C	ASTM D86-20b
185	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Appearance	ASTM D4176-21a
186	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Appearance	IOCM MGS-1
187	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Copper Strip Corrosion, Class	ASTM D130-19
188	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Copper Strip Corrosion, Class	IS 1448 [P:15]
189	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Density by Digital DensityMeter, kg/m3	ASTM D4052-18a

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190	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Density by Hydrometer, kg/m3	ASTM D1298-12b
191	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Density by Hydrometer, kg/m3	IS 1448 [P:16]
192	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Final Boiling Point, °C	ASTM D86-20b
193	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Final Boiling Point, °C	IS 1448 [P:18]
194	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Gum Content (Solvent Washed), gm/m3	ASTM D381-19
195	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Gum Content (Solvent Washed), gm/m3	IS 1448 [P:29]
196	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Initial Boiling Point, °C	ASTM D86-20b
197	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Initial Boiling Point, °C	IS 1448 [P:18]
198	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Loss, %(v/v)	ASTM D86-20b
199	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Loss, %(v/v)	IS 1448 [P:18]
200	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Recovery at 100°C, %(v/v)	ASTM D86-20b
201	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Recovery at 100°C, %(v/v)	IS 1448 [P:18]
202	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Recovery at 150°C, %(v/v)	ASTM D86-20b
203	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Recovery at 150°C, %(v/v)	IS 1448 [P:18]
204	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Recovery at 70 °C, %(v/v)	ASTM D86-20b
205	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Recovery at 70 °C, %(v/v)	IS 1448 [P:18]
206	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Reid Vapor Pressure, kPa	ASTM D323-20a
207	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Reid Vapor Pressure, kPa	IS 1448 [P:39]
208	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Residue, %(v/v)	ASTM D86-20b

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209	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Residue, %(v/v)	IS 1448 [P:18]
210	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Motor Spirit [MS]	Total Sulfur Content, mg/kg	ASTM D5453-19a
211	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline. Motor Spirit [MS]	Visual Color	IOCM MGS-1
212	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	10% Vol. Recovery at, °C	ASTM D86-20b
213	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	10% Vol. Recovery at, °C	IS 1448 [P:18]
214	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	50% Vol. Recovery at, °C	ASTM D86-20b
215	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	50% Vol. Recovery at, °C	IS 1448 [P:18]
216	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	90% Vol. Recovery at, °C	ASTM D86-20b
217	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	90% Vol. Recovery at, °C	IS 1448 [P:18]
218	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	95% Vol. recovery at, °C	ASTM D86-20b
219	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	95% Vol. recovery at, °C	IS 1448 [P:18]
220	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Appearance	IOCM MGS-1
221	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Appearance.	ASTM D4176-21a
222	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Copper Strip Corrosion, Class	ASTM D130-19
223	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Copper Strip Corrosion, Class	IS 1448 [P:15]
224	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Density by Digital DensityMeter, kg/m3	ASTM D4052-18a
225	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Density by Hydrometer Method, kg/m3	IS 1448 [P:16]
226	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Density by Hydrometer, kg/m3	ASTM D1298-12b
227	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Final Boiling Point, °C	ASTM D86-20b

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228	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Final Boiling Point, °C	IS 1448 [P:18]
229	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Initial Boiling Point, °C	ASTM D86-20b
230	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Initial Boiling Point, °C	IS 1448 [P:18]
231	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Loss, %(v/v)	ASTM D86-20b
232	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Loss, %(v/v)	IS 1448 [P:18]
233	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Reid Vapor Pressure, kPa	ASTM D323-20a
234	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Reid Vapor Pressure, kPa	IS 1448 [P:39]
235	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Residue, %(v/v)	ASTM D86-20b
236	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Residue, %(v/v)	IS 1448 [P:18]
237	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Saybolt Color, Color Unit	ASTM D156-15
238	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Saybolt Colour, Color Unit	IS 1448[P:14]
239	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Total Sulfur Content, mg/kg	ASTM D5453-19a
240	CHEMICAL- PETROLEUM AND PRODUCTS	Oil-Water mixed Effluent	Oil and Grease Content, mg/kg	IS 3025 [P:39]
241	CHEMICAL- PETROLEUM AND PRODUCTS	Superior Kerosene Oil [SKO]	Loss, %(v/v)	ASTM D86-20b