National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BENGALURU SMART LABORATORY, INDIAN OIL CORPORATION LIMITED, MARKETING DIVISION BENGALURU SMART LAB, BENGALURU, BENGALURU RURAL, KARNATAKA, 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- LUBRICANTS	Lubes	Appearance	Visual
2	CHEMICAL- LUBRICANTS	Lubes	Appearance- colour	Visual
3	CHEMICAL- LUBRICANTS	Lubes	Ash content- Sulphated	IP 163
4	CHEMICAL- LUBRICANTS	Lubes	Ash content- Sulphated	IS 1448 P4/Sec2
5	CHEMICAL- LUBRICANTS	Lubes	Ash content- Sulphated	ISO 3987
6	CHEMICAL- LUBRICANTS	Lubes	Flash Point (Pensky- Martens)	ASTM D 93
7	CHEMICAL- LUBRICANTS	Lubes	Flash Point (Pensky- Martens)	IS 1448 P:21
8	CHEMICAL- LUBRICANTS	Lubes	Flash Point (Pensky- Martens)	ISO 2719
9	CHEMICAL- LUBRICANTS	Lubes	Flash Point (Pensky-Martens)	IP 34
10	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity @ 100°C	ASTM D 445
11	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity @ 100°C	IP 71
12	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity @ 100°C	IS 1448 P:25/Sec 1
13	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity @ 100°C	ISO 3104
14	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity @ 40°C	ASTM D445
15	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity @ 40°C	IP 71
16	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity @ 40°C	IS 1448 P:25/Sec1
17	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity @ 40°C	ISO 3104
18	CHEMICAL- PETROLEUM AND PRODUCTS	Additives	Ash Content	ASTM D482
19	CHEMICAL- PETROLEUM AND PRODUCTS	Additives	Ash Content	IS 1448 P4
20	CHEMICAL- PETROLEUM AND PRODUCTS	Additives	Density by Digital Density Meter	ASTM D4052
21	CHEMICAL- PETROLEUM AND PRODUCTS	Additives	Density by Hydrometer	IS 1448 P16
22	CHEMICAL- PETROLEUM AND PRODUCTS	Additives	Flash Point (Pensky-Martens)	ASTM D93
23	CHEMICAL- PETROLEUM AND PRODUCTS	Additives	Flash Point (Pensky-Martens)	IP 34
24	CHEMICAL- PETROLEUM AND PRODUCTS	Additives	Flash Point (Pensky-Martens)	IS 1448 P21
25	CHEMICAL- PETROLEUM AND PRODUCTS	Additives	Flash Point (Pensky-Martens)	ISO 2719

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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
26	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Appearance	Visual
27	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Ash Content	ASTM D482
28	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Ash Content	IS 1448 P4
29	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Cetane Index (calculated)	ASTM D4737
30	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Cetane Index (calculated)	IP 380
31	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Cetane Index (calculated)	ISO 4264
32	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Colour ASTM	ASTM D1500
33	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Colour ASTM	IP 196
34	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Colour ASTM	IS 1448 P12
35	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Colour ASTM	ISO 2049
36	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion	ASTM D130
37	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion	IP 154
38	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion	IS 1448 P15
39	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Copper Strip Corrosion	ISO 2160
40	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Digital Density Meter	ASTM D4052
41	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Hydrometer	ASTM D1298
42	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Hydrometer	IP 160
43	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Hydrometer	IS 1448 P16
44	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density by Hydrometer	ISO 3675

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45	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation	ASTM D86
46	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation	IP 123
47	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation	IS 1448 P:18
48	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation	ISO 3405
49	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation	ISO 3405
50	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Pensky-Martens)	IS 1448 P:21
51	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Abel)	IP 170
52	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Abel)	IS 1448 P:20
53	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Abel)	IS1448 P20
54	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Abel)	ISO 13736
55	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Pensky- Martens)	IP 34
56	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Pensky-Martens)	ASTM D 93
57	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Flash Point (Pensky-Martens)	ISO 2719
58	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity @ 40°C	ASTM D445
59	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity @ 40°C	IP 71
60	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity @ 40°C	IS 1448 P:25
61	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Kinematic Viscosity @ 40°C	ISO 3104
62	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	ASTM D 97
63	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	IP 15

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64	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	IS 1448 P:10
65	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Pour Point	ISO 3016
66	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Sulphur	ASTM D5453
67	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Sulphur by EDXRF	ISO 13032
68	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Visual-Colour	Visual
69	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Aniline Point	ASTM D611
70	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Aniline Point	IS 1448 P3
71	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Appearance	Visual
72	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Colour- Visual	Visual
73	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Copper Strip Corrosion	ASTM D130
74	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Copper Strip Corrosion	IP 154
75	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Copper Strip Corrosion	IS 1448 P15
76	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Copper Strip Corrosion	ISO 2160
77	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density by Digital Density Meter	ASTM D4052
78	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density by Hydrometer	ASTM D1298
79	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density by Hydrometer	IP 160
80	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density by Hydrometer	IS 1448 P16
81	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Density by Hydrometer	ISO 3675
82	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation	ASTM D86

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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
83	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation	IP 123
84	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation	IS 1448 P18
85	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Distillation	ISO 3405
86	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Electrical Conductivity	ASTM D2624
87	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Electrical Conductivity	IP 274
88	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Electrical Conductivity	IS 1448 P148
89	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Electrical Conductivity	ISO 6297
90	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Existent Gum	ASTM D381
91	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Existent Gum	IP 131
92	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Existent Gum	IS 1448 P 29
93	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Existent Gum	ISO 6246
94	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Freezing Point	ASTM D2386
95	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Freezing Point	IP 16
96	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Freezing Point	IS 1448 P11
97	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Freezing Point	ISO 3013
98	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Sulphur	ASTM D5453
99	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Sulphur by EDXRF	ASTM D4294
100	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Sulphur by EDXRF	ISO 8754
101	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Vapour Pressure, Reid	IP 69

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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
102	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline	Vapour Pressure, Reid	IS 1448 P39
103	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Acidity Total	ASTM D 3242
104	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Acidity, Total	IP 354
105	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Acidity, Total	IS 1448 P113
106	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Aniline Point	ASTM D611
107	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Aniline Point	IS 1448 P3
108	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Appearance	Visual
109	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Aromatics	ASTM D1319
110	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Aromatics	IP 156
111	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Aromatics	IS 1448 P23
112	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Aromatics	ISO 3837
113	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Colour (Saybolt)	ASTM D156
114	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Colour Saybolt	IS 1448 P14
115	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Copper Strip Corrosion	ASTM D130
116	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Copper Strip Corrosion	IP 154
117	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Copper Strip Corrosion	IS 1448 P 15
118	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Copper Strip Corrosion	ISO 2160
119	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Density by Digital Density Meter	ASTM D4052
120	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Density by Hydrometer	ASTM D1298

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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
121	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Density by Hydrometer	IP 160
122	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Density by Hydrometer	IS 1448 P16
123	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Density by Hydrometer	ISO 3675
124	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Distillation	ASTM D86
125	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Distillation	IP 123
126	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Distillation	IS 1448 P18
127	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Distillation	ISO 3405
128	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Electrical Conductivity	ASTM D 2624
129	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Electrical Conductivity	IP 274
130	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Electrical Conductivity	IS 1448 P 148
131	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Electrical Conductivity	ISO 6297
132	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Existent Gum	ASTM D 381
133	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Existent Gum	IP 131
134	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Existent Gum	IS 1448 P:29
135	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Existent Gum	ISO 6246
136	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Flash Point (Abel)	IP 170
137	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Flash Point (Abel)	IS 1448 P20
138	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Flash Point (Abel)	IS 1448 P20
139	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Flash Point (Abel)	ISO 13736

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140	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Flash Point (Pensky- Martens)	ASTM D93
141	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Flash Point (Pensky-Martens)	IP 34
142	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Flash Point (Pensky-Martens)	IS 1448 P21
143	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Flash Point (Pensky-Martens)	ISO 2719
144	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Freezing Point	IP 16
145	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Freezing Point	IS1448 P:11
146	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Freezing Point	ASTM D 2386
147	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Freezing Point	ISO 3013
148	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Kinematic Viscosity @ - 20°C	IS 1448 P: 25
149	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Kinematic Viscosity @ - 20°C	ASTM D 445
150	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Kinematic Viscosity @ - 20°C	IP 71
151	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Kinematic Viscosity @ - 20°C	ISO 3104
152	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Naphthalene Content	ASTM D 1840
153	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Naphthalene Content	IS 1448 P:118
154	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Olefins	ASTM D1319
155	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Olefins	IP 156
156	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Olefins	IS 1448 P23
157	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Olefins	ISO 3837
158	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Silver Strip Corrosion	IP 227

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159	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Silver Strip Corrosion	IS 1571 Annex B
160	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Smoke Point	ASTM D1322
161	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Smoke Point	IP 57
162	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Smoke Point	IS 1448 P31
163	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Smoke Point	ISO 3014
164	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Specific Energy (calculated)	ASTM D3338
165	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Sulphur	ASTM D5453
166	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Sulphur by EDXRF	ASTM D4294
167	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Sulphur by EDXRF	ISO 8754
168	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Sulphur Mercaptan	ASTM D 3227
169	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Sulphur Mercaptan	IP 342
170	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Sulphur Mercaptan	IS 1448 P:109
171	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Sulphur Mercaptan	ISO 3012
172	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Visual-Colour	Visual
173	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Water Reaction	ASTM D 1094
174	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Water Reaction	IP 289
175	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels (Jet-A-1)	Water Reaction	IS 1448 P:42
176	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Appearance	Visual
177	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Colour (Saybolt)	ASTM D156

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178	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Copper Strip Corrosion	IS 1448 P15
179	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Distillation	ASTM D86
180	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Electrical Conductivity	ASTM D2624
181	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Electrical Conductivity	IP 274
182	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Electrical Conductivity	IS 1448 P148
183	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Electrical Conductivity	ISO 6297
184	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Existent Gum	ASTM D 381
185	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Existent Gum	IP 131
186	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Existent Gum	IS 1448 P29
187	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Existent Gum	ISO 6246
188	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Flash Point (Abel)	IP 170
189	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Flash Point (Abel)	IS 1448 P20
190	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Flash Point (Abel)	ISO 13736
191	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash point Type	Flash Point (Pensky-Martens)	ASTM D93
192	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Flash Point (Pensky-Martens)	IP 34
193	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Flash Point (Pensky-Martens)	ISO 2719
194	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Freezing Point	ASTM D2386
195	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Freezing Point	IP 16
196	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Freezing Point	IS 1448 P11

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197	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Freezing Point	ISO 3013
198	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Kinematic Viscosity @-20°C	ASTM D445
199	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Kinematic Viscosity @-20°C	IP 71
200	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Kinematic Viscosity @-20°C	IS 1448 P25
201	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Kinematic Viscosity @-20°C	ISO 3104
202	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Naphthalene Content	ASTM D1840
203	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Naphthalene Content	IS 1448 P118
204	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Smoke Point	ASTM D1322
205	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Smoke Point	IP 57
206	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Smoke Point	IS 1448 P31
207	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Smoke Point	ISO 3014
208	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Specific Energy (Calculated)	ASTM D3338
209	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Sulphur by EDXRF	ASTM D4294
210	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Sulphur by EDXRF	ISO 8754
211	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Sulphur Mercaptan	IS 1448 P109
212	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Sulphur Mercaptan	ISO 3012
213	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels- High Flash Point Type	Water Reaction	IP 289
214	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Acidity, Total	ASTM D3242
215	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Acidity, Total	IP 354

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216	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Acidity, Total	IS 1448 P113
217	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Aniline Point	ASTM D611
218	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Aniline Point	IS 1448 P3
219	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Aromatics	ASTM D1319
220	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Aromatics	IP 156
221	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Aromatics	IS 1448 P23
222	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Aromatics	ISO 3837
223	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Colour Saybolt	IS 1448 P14
224	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Copper Strip Corrosion	ASTM D130
225	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Copper Strip Corrosion	IP 154
226	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Copper Strip Corrosion	ISO 2160
227	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Density by Digital Density meter	ASTM D4052
228	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Density by Hydrometer	ASTM D1298
229	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Density by Hydrometer	IP 160
230	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Density by Hydrometer	IS 1448 P16
231	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Density by Hydrometer	ISO 3675
232	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Distillation	IP 123
233	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Distillation	IS 1448 P18
234	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Distillation	ISO 3405

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235	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Flash Point (Abel)	IS 1448 P20
236	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Flash Point (Pensky-Martens)	IS 1448 P21
237	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Olefins	ASTM D1319
238	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Olefins	IP 156
239	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Olefins	IS 1448 P23
240	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Olefins	ISO 3837
241	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Silver Strip Corrosion	IP 227
242	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Silver Strip Corrosion	IS 1571 Annex B
243	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Sulphur	ASTM D5453
244	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Sulphur Mercaptan	ASTM D3227
245	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Sulphur Mercaptan	IP 342
246	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Visual-Colour	Visual
247	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Water Reaction	ASTM D1094
248	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuels-High Flash Point Type	Water Reaction	IS 1448 P42
249	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Appearance	Visual
250	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour (Saybolt)	ASTM D156
251	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour Saybolt	IS 1448 P14
252	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion	ASTM D130
253	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion	IP 154

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254	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion	IS 1448 P15
255	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Copper Strip Corrosion	ISO 2160
256	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Digital Density Meter	ASTM D4052
257	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Hydrometer	ASTM D1298
258	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Hydrometer	IP 160
259	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Hydrometer	IS 1448 P16
260	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density by Hydrometer	ISO 3675
261	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation	ASTM D86
262	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation	IP 123
263	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation	IS 1448 P18
264	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation	ISO 3405
265	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IP 170
266	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IS 1448 P20
267	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IS 1448 P20
268	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	ISO 13736
269	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	ASTM D 1322
270	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IP 57
271	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IS 1448 P:31
272	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	ISO 3014

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273	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Sulphur	ASTM D5453
274	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Sulphur by EDXRF	ASTM D4294
275	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Sulphur by EDXRF	ISO 8754
276	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Visual-colour	Visual
277	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Appearance	Visual
278	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Aromatics	ASTM D 1319
279	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Aromatics	IP 156
280	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Aromatics	IS 1448 P:23
281	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Aromatics	ISO 3837
282	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip Corrosion	ASTM D130
283	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip Corrosion	IS 1448 P 15
284	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip Corrosion	ISO 2160
285	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Copper Strip Corrossion	IP 154
286	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density by Digital density meter	ASTM D4052
287	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density by Hydrometer	ASTM D1298
288	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density by Hydrometer	IP 160
289	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density by Hydrometer	IS 1448 P16
290	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density by Hydrometer	ISO 3675
291	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation	ASTM D86

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292	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation	IP 123
293	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation	IS 1448 P :18
294	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation	ISO 3405
295	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum	ASTM D 381
296	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum	IP 131
297	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum	ISO 6246
298	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Existent Gum	S 1448 P:29
299	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Octane Number	ASTM D 2699
300	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Octane Number	IP 237
301	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Octane number	IS 1448 P 27
302	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Olefins	ASTM D 1319
303	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Olefins	IP 156
304	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Olefins	IS 1448 P:23
305	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Olefins	ISO 3837
306	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Sulphur	ASTM D 5453
307	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Sulphur by EDXRF	ISO 13032
308	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Sulphur by EDXRF	ISO 20847
309	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Vapour Pressure, Reid	IP 69
310	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Vapour Pressure, Reid	IS 1448 P 39

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311	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Visual- Colour	Visual