National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BPCL-MUMBAI REFINERY, MAHUL, MUMBAI, MAHARASHTRA, 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	MT, JET A1, SBP, FGH, MG	Aromatic	ASTM D1319
2	CHEMICAL- PETROLEUM AND PRODUCTS	MT, JET A1, SBP, FGH, MG	Olefins	ASTM D1319
3	CHEMICAL- PETROLEUM AND PRODUCTS	MT, JET A1, SBP, FGH, MG	Olefins	IS 1448 (Part 23)
4	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD, LDO	Carbon Residue-Ramsbottom	ASTM D524
5	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD, LDO	Carbon Residue-Ramsbottom	IS 1448 (Part 8)
6	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, SBP, Naphtha, MT	Existent Gum	ASTM D381
7	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, SBP, Naphtha, MT	Existent Gum	IS 1448 (Part 29)
8	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO, LSHS	Water content	ASTM D95
9	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO, LSHS	Water content	IS 1448 (Part 40)
10	CHEMICAL- PETROLEUM AND PRODUCTS	LDO, FO, LSHS	Water content	ISO 3733
11	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	Cetane Number	ASTM D613
12	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	Cetane Number	IS 1448 (Part 9)
13	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	COLOUR ASTM	ASTM D1500
14	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	COLOUR ASTM	IP196
15	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	COLOUR ASTM	IS 1448 (Part 12)
16	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	Polycyclic Aromatic Hydrocarbons (PAH)	ASTM D6591
17	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	Polycyclic Aromatic Hydrocarbons (PAH)	IP 391
18	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	Total Contaminants mg/kg	EN 12662

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19	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, FO, LSHS	Micro Carbon Residue	ASTM D4530
20	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, FO, LSHS	Micro Carbon Residue	ISO 10370
21	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	Acidity, Total	ASTM D974
22	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	CETANE INDEX	ASTM D4737
23	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	CETANE INDEX	ISO 4264
24	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	CFPP	IS 1448 (Part 110)
25	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	Distillation- Rec at 350°C	ASTM D86
26	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	Distillation- Rec at 360°C	ASTM D86
27	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	Distillation- Rec at 370°C	ASTM D86
28	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	Lubricity- HFRR	ASTM D6079
29	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	Lubricity- HFRR	IS 1448 (Part 149)
30	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD	Oxidation Stability	ASTM D2274
31	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD LDO	Kinematic Viscosity @ 40°C	ASTM D445
32	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD LDO	Kinematic Viscosity @ 40°C	ASTM D7042
33	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD LDO	Kinematic Viscosity @ 40°C	IS 1448 (Part 25)
34	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, FGH, Hexane, Benzene, Toluene	Water content- KF	ISO 12937
35	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, FGH, Hexane, Benzene, Toluene	Water content-KF	ASTM D4928
36	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, FGH, Hexane, Benzene, Toluene	Water content-KF	ASTM D6304
37	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, LDO, FO	Pour Point	ASTM D5950

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38	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, LDO, FO, LSHS	ASH CONTENT	ASTM D482
39	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, LDO, FO, LSHS	Ash Content	IS 1448 (Part 4)
40	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, LDO, FO, LSHS	Ash Content	ISO 6245
41	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, LDO, FO, LSHS	Pour Point	IS 1448 (Part 10)
42	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, LDO, FO, LSHS	Pour Point	ISO 3016
43	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, HFHSD, MG, Naphtha	Sulphur	ASTM D2622
44	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, Kerosene, LDO, FO, LSHS	Acidity, Inorganic	ASTM D974
45	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, Kerosene, LDO, FO, LSHS	Acidity, Inorganic	IS 1448 (Part 2)
46	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, LDO, FO, LSHS	Sediments by Extraction	IS 1448 (Part 30)
47	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, MG, HFHSD, FGH, Hexane, Benzene, Toluene	Total Sulphur	ASTM D5453
48	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Acid wash colour	IS 534 (Annex J)
49	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Colour- Pt-Co Number Scale	IS 534 (Annex B)
50	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Composition- Benzene	IS 534 (Annex A)
51	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Composition- n-Heptane, Higher aliphatic compound	IS 534 (Annex A)
52	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Composition- Non aromatic hydrocarbons	IS 534 (Annex A)
53	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Composition- Toluene	IS 534 (Annex A)
54	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	N-formyl morphine as nitrogen	IS 534 (Annex K)
55	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, FGH, Hexane	Bromine Index	ASTM D2710
56	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, FGH, Hexane	Bromine Index	ASTM D5776

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, FGH, Hexane	Bromine Index	IS 534 (Annex F)
58	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, Toluene	Density	ASTM D4052
59	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, Toluene	Thiophene	ASTM D4735
60	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, Toluene	Thiophene	IS 534 (Annex H)
61	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Absolute Viscosity@60°C	IS 1206 (Part 2)
62	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Absolute Viscosity@60°C on RTFOT residue	IS 1206 (Part 2)
63	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Ductility	IS 1208
64	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Flash Point - COC	IS 1448 (Part 69)
65	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Flash Point- COC	ASTM D92
66	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Kinematic Viscosity @ 135°C	IS 1206 (Part 3)
67	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Matter insoluble in Trichloroethylene	IS 1216
68	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Penetration	IS 1203
69	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Softening Point	IS 1205
70	CHEMICAL- PETROLEUM AND PRODUCTS	FGH	Distilled between 64-70°C	ASTM D86
71	CHEMICAL- PETROLEUM AND PRODUCTS	FGH, HEAXANE	AROMATICS	ASTM D6730
72	CHEMICAL- PETROLEUM AND PRODUCTS	FGH, Hexane	Aromatics	ASTM D5134
73	CHEMICAL- PETROLEUM AND PRODUCTS	FGH, HEXANE	BENZENE CONTENT	ASTM D6229
74	CHEMICAL- PETROLEUM AND PRODUCTS	FGH, Hexane	Non Volatile Residue	ASTM D1353
75	CHEMICAL- PETROLEUM AND PRODUCTS	FGH, Hexane	Non Volatile Residue	IS 3470 (App A)

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76	CHEMICAL- PETROLEUM AND PRODUCTS	FGH, Hexane	Polycyclic Aromatics Hydrocarbons	IS 3470 (APP F)
77	CHEMICAL- PETROLEUM AND PRODUCTS	FGH, Hexane	Reaction on Non-Volatile Residue	IS 3470 (App. B)
78	CHEMICAL- PETROLEUM AND PRODUCTS	FGH, Hexane	Refractive Index	ASTM D1218
79	CHEMICAL- PETROLEUM AND PRODUCTS	FGH, SBP, SCN	Distillation- Dry Point	ASTM D86
80	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Calc Carbon Aromaticity Index (CCAI)	ISO 8217
81	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Kinematic Viscosity @ 50°C	IS 1448 (Part 25)
82	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Kinematic Viscosity @ 50°C	ISO 3104
83	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane	Composition- Cyclohexane	ASTM D5134
84	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane	Composition- Cyclohexane	ASTM D6730
85	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane	Composition- n-Hexane	ASTM D5134
86	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane	Composition- n-Hexane	ASTM D6730
87	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane	Composition- n-Pentane	ASTM D5134
88	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane	Composition- n-Pentane	ASTM D6730
89	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane	Distillation- Dry Point	ASTM D1078
90	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane	Distillation- IBP	ASTM D1078
91	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane	Distilled between 64-70 °C	ASTM D1078
92	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD, LDO, FO, LSHS	Flash Point - PMCC	ASTM D93
93	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD, LDO, FO, LSHS	Flash Point- PMCC	IS 1448 (Part 21)
94	CHEMICAL- PETROLEUM AND PRODUCTS	HFHSD, LDO, FO, LSHS	Flash Point- PMCC	ISO 2719

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95	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Acidity, Total	ASTM D3242
96	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Acidity, Total	IS 1448 (Part 113)
97	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Distillation- Loss	ASTM D86
98	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Electrical Conductivity	ASTM D2624
99	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Electrical Conductivity	IP 274
100	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Electrical Conductivity	ISO 6297
101	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Freezing Point	ASTM D7153
102	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Freezing Point	IS 1448 (Part 11)
103	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	JFTOT (Tube Rating)	IS 1448 (Part 97)
104	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	JFTOT (Tube Rating)	ISO 6249
105	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	JFTOT- Pressure Differential	IS 1448 (Part 97)
106	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	JFTOT- Pressure Differential	ISO 6249
107	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Kinematic Viscosity @ -20°C	ASTM D445
108	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Kinematic Viscosity @ -20°C	IS 1448 (Part 25)
109	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Lubricity- BOCLE	ASTM D5001
110	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	MSEP	IS 1448 (Part 142)
111	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Naphthalene Content	IS 1448 (Part 118)
112	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Particulate Contamination	ASTM D5452
113	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Silver Corrosion Test	IS 1571 (Annex B)

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114	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Specific Energy	ASTM D3338
115	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	TOTAL AROMATICS	ASTM D6379
116	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	TOTAL AROMATICS	IP 436
117	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1	Water Reaction	IS 1448 (Part 42)
118	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, ADF, Kerosene, MT	Flash Point - Abel	IP 170
119	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, ADF, Kerosene, MT	Flash Point - Abel	IS 1448 (Part 20)
120	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, FGH, Hexane	Doctor Test	IS 1448 (Part 19)
121	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, FGH, Naphtha, MG, MT, Kerosene, ADF, HFHSD	Distillation- FBP	ASTM D86
122	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, FGH,SBP, SCN, Naphtha, Kerosene, MT	Distillation- IBP	ASTM D86
123	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, FGH,SBP, SCN, Naphtha, Kerosene, MT,ADF, HFHSD	Distillation- 50% Recovery	ASTM D86
124	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, FGH,SBP, SCN, Naphtha, Kerosene, MT,ADF, HFHSD	Distillation- 90% Recovery	ASTM D86
125	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, FGH,SBP, SCN, Naphtha, Kerosene, MT,ADF, HFHSD	Distillation- 95% Recovery	ASTM D86
126	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, FGH,SBP, SCN, Naphtha, Kerosene, MT,ADF, HFHSD	Distillation-10% Recovery	ASTM D86
127	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Kerosene	Smoke Point	ASTM D1322
128	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Kerosene	Smoke Point	IS 1448 P:31
129	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Kerosene	Smoke Point	ISO 3014
130	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Kerosene, FGH, Hexane, SBP, MT, Naphtha	COLOUR SAYBOLT	ASTM D156
131	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Kerosene, FGH, Hexane, SBP, MT, Naphtha	COLOUR SAYBOLT	ASTM D6045
132	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Kerosene, FGH, Hexane, SBP, MT, Naphtha	COLOUR SAYBOLT	IS 1448 (Part 14)

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133	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Kerosene, LDO, FO, LSHS, Naphtha	Sulphur	ASTM D4294
134	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Kerosene, LDO, FO, LSHS, Naphtha	Sulphur	IS 1448 (Part 153)
135	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Kerosene, LDO, FO, LSHS, Naphtha	Sulphur	ISO 8754
136	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, MG	Distillation- Residue	ASTM D86
137	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, MG, ADF, HFHSD, Kerosene, FO, LDO, FGH, Hexane, MT, Naphtha, LSHS, SBP	Density by Hydrometer	ASTM D1298
138	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, MG, ADF, HFHSD, Kerosene, FO, LDO, FGH, Hexane, MT, Naphtha, LSHS, SBP	Density by Hydrometer	IS 1448 (Part 16)
139	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, MG, ADF, HFHSD, Kerosene, FO, LDO, FGH, Hexane, MT, Naphtha, LSHS, SBP	Density by Hydrometer	ISO 12185
140	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, MG, ADF, HFHSD, Kerosene, FO, LDO, FGH, Hexane, MT, Naphtha, LSHS, SBP	DENSITY-AUTO	ASTM D4052
141	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Naphtha, MT, SBP	Sulphur Mercaptan	IP 342
142	CHEMICAL- PETROLEUM AND PRODUCTS	JET A1, Naphtha, MT, SBP	Sulphur Mercaptan	IS 1448 (Part 109)
143	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Burning Quality	IS 1448 (Part 5)
144	CHEMICAL- PETROLEUM AND PRODUCTS	KEROSENE	Distillation- Rec at 200 °C	ASTM D86
145	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Caustic Test	IS 4576 (Note 10)
146	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Copper Corrosion	ASTM D1838
147	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Copper Corrosion	IS 1448 (Part 152)
148	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Density by Calculation	ASTM D2598
149	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Density by Calculation	ISO 8973
150	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Free Water content	IS 4576 (Note 9)
151	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Total Volatile Sulphur	ASTM D6667

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152	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Vapour Pressure	ISO 8973
153	CHEMICAL- PETROLEUM AND PRODUCTS	LPG, PP Feed stock	Composition	ASTM D2163
154	CHEMICAL- PETROLEUM AND PRODUCTS	LPG, PP Feed stock	Hydrogen Sulphide	ASTM D2420
155	CHEMICAL- PETROLEUM AND PRODUCTS	LPG, PP Feed stock	Hydrogen Sulphide	IP 272
156	CHEMICAL- PETROLEUM AND PRODUCTS	LPG, PP Feed stock	Hydrogen Sulphide	IS 4576 (Note 6)
157	CHEMICAL- PETROLEUM AND PRODUCTS	LPG, PP Feed stock	Sulphur Mercaptan	IP 272
158	CHEMICAL- PETROLEUM AND PRODUCTS	LSHS	Kinematic Viscosity @ 100°C	IS 1448 (Part 25)
159	CHEMICAL- PETROLEUM AND PRODUCTS	MG	AROMATICS	ASTM D6839
160	CHEMICAL- PETROLEUM AND PRODUCTS	MG	BENZENE CONTENT	ASTM D3606
161	CHEMICAL- PETROLEUM AND PRODUCTS	MG	BENZENE CONTENT	ASTM D6839
162	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Colour	SOP No. C/12 Rev.00
163	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Distillation- % Evaporated at 100°C	ASTM D86
164	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Distillation- % Evaporated at 150°C	ASTM D86
165	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Distillation- % Evaporated at 70°C	ASTM D86
166	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Existent Gum	ASTM D381
167	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Existent Gum	IS 1448 (Part 29)
168	CHEMICAL- PETROLEUM AND PRODUCTS	MG	MON	ASTM D2700
169	CHEMICAL- PETROLEUM AND PRODUCTS	MG	MON	IS 1448 (Part 26)
170	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Olefins	ASTM D6839

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171	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Oxidation Stability	IS 1448 (Part 28)
172	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Oxygen content	ASTM D4815
173	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Oxygenates	ASTM D4815
174	CHEMICAL- PETROLEUM AND PRODUCTS	MG	RON	ASTM D2699
175	CHEMICAL- PETROLEUM AND PRODUCTS	MG	RON	IS 1448 (Part 27)
176	CHEMICAL- PETROLEUM AND PRODUCTS	MG	Vapour Lock Index	IS 2796 (Sl No. xi)
177	CHEMICAL- PETROLEUM AND PRODUCTS	MG, Hexane, HFHSD, ADF, Kerosene, JET A1, Toluene	Appearance	SOP No. A/4 Rev.00
178	CHEMICAL- PETROLEUM AND PRODUCTS	MG, Hexane, HFHSD,ADF, Kerosene, JET A1, Toluene	Appearance	ASTM D4176
179	CHEMICAL- PETROLEUM AND PRODUCTS	MG, Naphtha	Reid Vapour Pressure	ASTM D323
180	CHEMICAL- PETROLEUM AND PRODUCTS	MG, Naphtha	Reid Vapour Pressure	IS 1448 (Part 39)
181	CHEMICAL- PETROLEUM AND PRODUCTS	MG, Naphtha	Reid Vapour Pressure- Mini method	ASTM D5191
182	CHEMICAL- PETROLEUM AND PRODUCTS	MT, JET A1, SBP, FGH, MG	AROMATICS	IS 1448 (Part 23)
183	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, FGH, SBP	Composition- Aromatics	ASTM D5134
184	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, FGH, SBP	Composition- Aromatics	ASTM D6730
185	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, FGH, SBP	Composition- Naphthenes	ASTM D5134
186	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, FGH, SBP	Composition- Naphthenes	ASTM D6730
187	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, FGH, SBP	Composition- Paraffins	ASTM D5134
188	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, FGH, SBP	Composition- Paraffins	ASTM D6730
189	CHEMICAL- PETROLEUM AND PRODUCTS	NAPHTHA, FO, LSHS	Calorific value-Gross	IS 1448 (Part 7)

SCOPE OF ACCREDITATION

Laboratory Name : BPCL-MUMBAI REFINERY, MAHUL, MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-7138 **Page No** 11 of 11
Validity 08/09/2022 to 07/09/2024 **Last Amended on** 16/09/2022

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
190	CHEMICAL- PETROLEUM AND PRODUCTS	SBP, JET A1, MG, LDO, Kerosene, ADF, HFHSD, Hexane, MT	Copper Corrosion	ASTM D130
191	CHEMICAL- PETROLEUM AND PRODUCTS	SBP, JET A1, MG, LDO, Kerosene, ADF, HFHSD, Hexane, MT	Copper Corrosion	IS 1448 (Part 15)
192	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Colour- Pt-Co scale	IS 8768
193	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Composition- Benzene	ASTM D2360
194	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Composition- C8+ Aromatics	ASTM D2360
195	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Composition- Non aromatic hydrocarbons	ASTM D2360
196	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Composition- Toluene	ASTM D2360
197	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	H2S & SO2 Content	IS 537 (Annex E)