National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, BPCL - KOCHI REFINERY, AMBALAMUGAL, ERNAKULAM, KERALA, 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	Liquefied Petroleum Gas Automotive, Liquefied Petroleum Gas	Hydrogen Sulphide	ISO 8819
2	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas-Automotive	C5 Hydrocarbons and heavier	ASTM D2163
3	CHEMICAL- PETROLEUM AND PRODUCTS	2 Ethyl Hexanol	Purity	HY 209/8
4	CHEMICAL- PETROLEUM AND PRODUCTS	2- Ethyl Hexanol	Appearance	ASTM E2680
5	CHEMICAL- PETROLEUM AND PRODUCTS	2-Ethyl Hexyl Acrylate	Appearance	ASTM E2680
6	CHEMICAL- PETROLEUM AND PRODUCTS	2-Ethyl Hexyl Acrylate	Purity	MSTM 4294-01
7	CHEMICAL- PETROLEUM AND PRODUCTS	Acrylic Acid	Appearance	ASTM E2680
8	CHEMICAL- PETROLEUM AND PRODUCTS	Acrylic Acid	Colour	ASTM D5386
9	CHEMICAL- PETROLEUM AND PRODUCTS	Acrylic Acid	Composition	AL-SOP 100-0042 E (REV 2)
10	CHEMICAL- PETROLEUM AND PRODUCTS	Acrylic Acid	Impurity: Maleic Acid & Maleic Anhydride	AL-SOP 100-0042 E (REV 2)
11	CHEMICAL- PETROLEUM AND PRODUCTS	Acrylic Acid, Butyl Acrylate, 2-Ethyl Hexyl Acrylate	Monomethyl Ether Hydroquinone (MEHQ)	ASTM D3125
12	CHEMICAL- PETROLEUM AND PRODUCTS	Acrylic Acid, Isobutanol, n-Butanol, 2 Ethyl Hexanol, Butyl Acrylate, 2 Ethyl Hexyl Acrylate	Colour	ASTM D 5386
13	CHEMICAL- PETROLEUM AND PRODUCTS	Acrylic Acid, Isobutanol, n-Butanol, 2 Ethyl Hexanol, Butyl Acrylate, 2 Ethyl Hexyl Acrylate	Water	ASTM E1064
14	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Electrical Conductivity	IP 274
15	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Fatty Acid Methyl Ester (FAME)	IP 585
16	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Particle Counts	ASTM D7619
17	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Particle Counts	IP 577
18	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Silver Corrosion	IS 1571 Annex B

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19	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Total Aromatics	IP 436
20	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Total Aromatics by HPLC method	ASTM D6379
21	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Visual Appearance	IS 1571, Annex D
22	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1	Water Reaction	IS 1448 Part 42
23	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1, Kerosene, Motor Gasoline, Reformate, Mineral Turpentine Oil	Hydrocarbon Types-Aromatics, Olefins & Saturates by FIA	ISO 3837
24	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1, Kerosene, Motor Gasoline, Reformate, Mineral Turpentine Oil	Hydrocarbon Types-Aromatics, Olefins & Saturates by FIA	ASTM D1319
25	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1, Kerosene, Motor Gasoline, Reformate, Mineral Turpentine Oil	Hydrocarbon Types-Aromatics, Olefins & Saturates by FIA	IP 156
26	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet A-1, Kerosene, Motor Gasoline, Reformate, Mineral Turpentine Oil	Hydrocarbon Types-Aromatics, Olefins & Saturates by FIA	IS 1448 Part 23
27	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Freezing Point -auto	ASTM D7153
28	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Jet Fuel Thermal Oxidation Test	IS 1448 (Part 97)
29	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Jet Fuel Thermal Oxidation Test	ISO 6249
30	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Water Reaction	ASTM D1094
31	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Electrical Conductivity	ASTM D2624
32	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Electrical Conductivity	ISO 6297
33	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Freezing Point	ASTM D2386
34	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Freezing Point	IS 1448 (Part 11)
35	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Freezing Point	ISO 3013
36	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Jet Fuel Thermal Oxidation Test	ASTM D3241
37	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Lubricity of ATF	ASTM D5001

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38	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Naphthalene Content	ASTM D1840
39	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Naphthalene Content	IS 1448 (Part 118)
40	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Particle Counts	IP 565
41	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Particulate Contamination	ASTM D5452
42	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Particulate Contamination	IP 423
43	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Silver Corrosion	IP 227
44	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Specific Energy	D 3338
45	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Total Acidity	ASTM D 3242
46	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Total Acidity	IP 354
47	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Total Acidity	IS 1448 (Part 113)
48	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Water Separation Characteristics	ASTM D 3948
49	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1	Water Separation Characteristics	IS 1448 (Part 142)
50	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1, Kerosene	Smoke Point	IS 1448 (Part 31)
51	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1, Kerosene	Smoke Point	IP598
52	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1, Kerosene	Smoke Point	ASTM D1322
53	CHEMICAL- PETROLEUM AND PRODUCTS	ATF Jet-A1, Kerosene	Smoke Point	ISO 3014
54	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JET-A1, Motor Gasoline, Reformate	Sulphur - Mercaptan	ASTM D3227
55	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JET-A1, Motor Gasoline, Reformate	Sulphur - Mercaptan	IS 1448 (Part 109)
56	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Oil, Light Diesel Oil, Fuel Oil, Crude Oil	Pour Point	ASTM D 5950

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Oil, Light Diesel Oil, Fuel Oil, Crude Oil	Pour Point	IS 1448 (Part 10)
58	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Oil, Light Diesel Oil,, Fuel Oil, Crude Oil	Pour Point	ASTM D7346
59	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Oil, Light Diesel Oil,, Fuel Oil, Crude Oil	Pour Point	ASTM D97
60	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Cetane Number	ISO 5165
61	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Cetane Number	ASTM D613
62	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Cold Filter Plugging Point	ASTM D6371
63	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Lubricity of Diesel	ASTM D6079
64	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Polycyclic Aromatic Hydrocarbon	ASTM D6591
65	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Polycyclic Aromatic Hydrocarbon	EN 12916
66	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Polycyclic Aromatic Hydrocarbon	IP 391
67	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Total Contamination	IP 440
68	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Total Contamination	EN 12662
69	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Water content	IP 438
70	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Water content	ISO 12937
71	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel & Light Diesel Oil	Ramsbottom Carbon Residue	ISO 4262
72	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil	Sediment by Extraction	ASTM D473
73	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil	Sediment by Extraction	IS 1448 (Part: 30)
74	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil, Crude Oil	Pour Point	ISO 3016
75	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Crude Oil, Kerosene	Strong Acid Number	ISO 6618

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76	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Fuel Oil, Kerosene	Strong Acid No	ASTM D974
77	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Fuel Oil, Kerosene	Strong Acid Number	IP 139
78	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Calculated Cetane Index	ASTM D4737
79	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Calculated Cetane Index	ISO 4264
80	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Cetane Number	IS 1448 (Part 9)
81	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Cold Filter Plugging Point	IS 1448 (Part 110)
82	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Cold Filter Plugging Point(CFPP)	ASTM D6731
83	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Lubricity	IS 1448 Part 149
84	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Oxidation stability	ASTM D2274
85	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Oxidation Stability	IP 388
86	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Oxidation Stability	IS Part 154
87	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, ATF JET A-1, Light Diesel Oil, Fuel Oil, Crude Oil.	Kinematic Viscosity	ASTM D445
88	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, ATF JET A-1, Light Diesel Oil, Fuel Oil, Crude Oil.	Kinematic Viscosity	IS 1448 (Part 25)
89	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Crude Oil, Light Diesel Oil, ATF Jet-A1	Kinematic Viscosity	ASTM D7042
90	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive diesel Fuel, High Flash high Speed Diesel, Fuel Oil, Crude Oil, Light Diesel Oil	Carbon Residue (Micro)	IP 398
91	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive diesel Fuel, High Flash high Speed Diesel, Fuel Oil, Crude Oil, Light Diesel Oil	Carbon Residue (Micro Method)	ASTM D4530
92	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Light Diesel Oil	Ramsbottom Carbon Residue	ASTM D524
93	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Light Diesel Oil, Fuel Oil	Ash Content	IS 1448 (Part 4)
94	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Light Diesel Oil, Fuel Oil	Ash	ASTM D482

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95	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Light Diesel Oil, Fuel Oil	Ash	ISO 6245
96	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Light Diesel Oil, Fuel Oil	Ash	IP 4
97	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High flash High Speed Diesel, Light Diesel Oil, Fuel Oil, Crude Oil	Carbon Residue (Micro Method)	ISO 10370
98	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Naphtha, Kerosene, Jet A-1 ATF, Mineral Turpentine Oil, Special Boiling Point Spirit	Distillation -Micro	ASTM D7345
99	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Toluene	Water Content	IP 438
100	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Toluene	Water content	ISO 12937
101	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Toluene, Benzene	Water content	ASTM D6304
102	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High flash High Sulphur Diesel	Lubricity	ISO 12156-1
103	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Kerosene, Mineral Turpentine Oil, High Flash High Speed Diesel, ATF Jet A-1, Motor Gasoline	Appearance	ASTM D4176
104	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil	Pour Point	ASTM D 97
105	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Light Diesel Oil, High Flash High Speed diesel, Crude Oil	Acidity/Total Acid Number by Potentiometric method	ASTM D644
106	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Special Boiling point Spirit, Reformate	ASTM Colour	IS 1488 (Part 12)
107	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Special Boiling point Spirit, Reformate	ASTM Colour	ASTM D1500
108	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Special Boiling point Spirit, Reformate	ASTM Colour	ASTM D6045
109	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel. High Flash High Speed Diesel, Light Diesel Oil	Ramsbottom Carbon Residue	IS 1448 (Part 8):
110	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Acidity	ASTM D847
111	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Bromine Index	ASTM D5776
112	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Colour Pt-Co	IS 534, Annex B

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113	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Distillation	IS 534, Annex E
114	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Impurities- Non aromatics, Toluene, 1,4 Dioxane, n-heptane & higher	Annex A of IS 534
115	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Impurities: n-heptane, higher aliphatic and acyclic, Toluene, 1,4 Dioxane	IS 534, Annex A
116	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Impurities: n-heptane, higher aliphatic and acyclic, Toluene, 1,4 Dioxane, Benzene, Non aromatic Hydrocarbon	ASTM D7504
117	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	N-formylmorphine as Nitrogen	IS 534, Annex K
118	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Purity of Benzene	IS 534, Annex A
119	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Solidification Point	ASTM D852
120	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Solidification Point	IS 534, Annex G
121	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Specific Gravity	IS:534 Annex C
122	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Sulphur	IS 534. Annex D
123	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene , Toluene	Colour Pt-Co	ASTM D6045
124	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene , Toluene	Acid Wash Colour	ASTM D848
125	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene , Toluene	Distillation	ASTM D850
126	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene , Toluene	Platinum-Cobalt Colour	ASTM D1209
127	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, Toluene	Acid Wash Colour	IS 534, Annex J
128	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, Toluene	Purity	ASTM D7504
129	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, Toluene	Specific Gravity	ASTM D4052

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130	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, Toluene, Naphtha, Motor Gasoline, Automotive, Diesel Fuel	Total Sulphur	ASTM D3120
131	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, Toluene, Naphtha, Motor Gasoline, Reformate, Automotive Diesel Fuel, Hexane Food Grade, ATF Jet A-1	Total Sulphur	ASTM D5453
132	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene, Toluene, Naphtha, Motor Gasoline,, Reformate, Automotive Diesel Fuel, ATF Jet A-1	Total Sulphur	ISO 20846
133	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Absolute Viscosity	ASTM D 2171
134	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Kinematic Viscosity	IS 1448 Part 3
135	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Kinematic Viscosity	IS 1206
136	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Absolute Viscosity	IS 1206 Part 2
137	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Kinematic Viscosity	ASTM D2170
138	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Rolling Thin Film Oven Test-Viscosity Ratio	ASTM D2872
139	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen	Soluble Matter	IP 47
140	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen Emulsion (Cationic type)	Miscibility With Water	IS 8887, Annex H
141	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen Emulsion (Cationic type)	Particle Charge	IS 8887, Annex E
142	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen Emulsion (Cationic type)	Residue by Evaporation	IS 8887, Annex J
143	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen Emulsion (Cationic type)	Residue on 600 Micron IS Sieve	IS 8887, Annex B
144	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen Emulsion (Cationic type)	Storage stability after 24 hours	IS 8887, Annex D
145	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen Emulsion (Cationic type)	Viscosity by Saybolt Furol Viscometer	IS 3117, Annex A
146	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Bitumen Emulsion (Cationic type)	Soluble Matter	IS 1216
147	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen	Ductility	ASTM D113
148	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen	Flash Point by Cleveland Open Cup	ISO 2592

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149	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen	Flash Point by Cleveland Open Cup	IS 1206 Part 69
150	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen	Softening Point	ASTM D36
151	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen	Flash Point by Cleveland Open Cup	ASTM D92
152	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen	Softening Point	IS 1205:
153	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen	Flash Point by Cleveland Open Cup (COC)	IS 1209
154	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen	Penetration	ASTM D5
155	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen, Bitumen Emulsion (Cationic type)	Penetration	IS 1203
156	CHEMICAL- PETROLEUM AND PRODUCTS	Bitumen, Natural Rubber Modified Bitumen, Bitumen Emulsion (Cationic Type)	Ductility	IS 1208
157	CHEMICAL- PETROLEUM AND PRODUCTS	Butyl Acrylate	Appearance	ASTM E2680
158	CHEMICAL- PETROLEUM AND PRODUCTS	Butyl Acrylate	Purity	MSTM 4293-01
159	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil	Asphaltenes	ASTM D6560
160	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil	Asphaltenes	is 1448 (Part 22)
161	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil	Salt Content	ASTM D3230
162	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil	Salt Content	ASTM D6470
163	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil, Fuel Oil	Water and Sediment	ASTM D4007
164	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil, Fuel Oil	Water and Sediment	IS 1448 Part 41
165	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil, Fuel Oil, Light Diesel Oil	Sediment by Extraction	IS 1448 (Part 30)
166	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil, Fuel Oil, Light Diesel Oil	Sediment by Extraction	ASTM D473
167	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil, Fuel Oil, Light Diesel Oil	Sediment by Extraction	ISO 3735

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168	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil, Light Diesel Oil, High Flash High Speed diesel	Acid Number by Catalytic Thermometric Titration	ASTM D 8045
169	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil, Naphtha	Organic Chloride	ASTM D4929 Method B
170	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil, Naphtha	Organic Chloride	ASTM D8150
171	CHEMICAL- PETROLEUM AND PRODUCTS	Crude Oil, Naphtha, Automotive Diesel Fuel	Nitrogen	ASTM D4629
172	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Kinematic Viscosity	IS 1448 (Part 25)
173	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Ramsbottom Carbon Residue	ISO 4262:
174	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Calculated Carbon Aromaticity Index	IS 15217
175	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Calculated Carbon Aromaticity Index	ISO 8217
176	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Ramsbottom Carbon Residue	ASTM D524
177	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Ramsbottom Carbon Residue	S 1448 (Part 8)
178	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Total Sediments	ASTM D4870
179	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Total Sediments	ISO 10307-2
180	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Crude Oil	Carbon Residue (Micro Method)	IS 1448 PART 122
181	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Reformate, Naphtha	Metals by ICP OES- Al, Fe, Si, V, Na, Ca, Zn, P, Cu, K, Ni, As, Hg, Pb	IP 501
182	CHEMICAL- PETROLEUM AND PRODUCTS	Gasoline, Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil, Crude Oil, Naphtha	Sulphur	IP 497
183	CHEMICAL- PETROLEUM AND PRODUCTS	Gasoline, Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil, Crude Oil, Naphtha	Total Sulphur	ASTM D2622
184	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane-Food Grade	Benzene Content	IS 3470, Annex E
185	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane-Food Grade	Lead	ASTM D3605

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186	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane-Food Grade	Lead	IS 3470, Annex D
187	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane-Food Grade	Non Volatile Residue	IS 3470, Annex A
188	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane-Food Grade	Polycyclic Aromatic Hydrocarbons	IS 3470, Annex F
189	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane-Food Grade	Reaction of Non-volatile Residue	IS 3470 Annex B
190	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane-Food Grade	Refractive Index	ASTM D1218
191	CHEMICAL- PETROLEUM AND PRODUCTS	Isobutanol	Appearance	ASTM E2680
192	CHEMICAL- PETROLEUM AND PRODUCTS	Isobutanol, n-Butanol	Purity	HY 221/08
193	CHEMICAL- PETROLEUM AND PRODUCTS	Isobutanol, n-Butanol, 2 Ethyl Hexanol, Butyl Acrylate, 2 Ethyl Hexyl Acrylate	Acidity	ASTM D1613
194	CHEMICAL- PETROLEUM AND PRODUCTS	Jet Jet A-1, Kerosene, Mineral Turpentine Oil	Total Aromatics by HPLC	IP436
195	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Burning Quality	IS 1448 (Part 5)
196	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, ATF Jet-A1, Automotive Diesel Fuel	Distillation by GC	ASTM D2887
197	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, ATF Jet-A1, Automotive Diesel Fuel	Distillation By GC	IP 406
198	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, ATF Jet-A1, High Flash High Speed Diesel, Light Diesel Oil, Fuel Oil, Crude Oil, Naphtha	Total Sulphur	ASTM D4294
199	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil, Crude Oil	Acidity/Total Acid Number by Potentiometric method	IS 1448 (Part 2)
200	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil	Total Acidity	ISO 6619
201	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil	Total Acidity	ASTM D664
202	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Mineral Turpentine , ATF Jet- A1, Automotive Diesel Fuel , High Flash Diesel	Flash Point-ABEL	IP 170
203	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Mineral Turpentine , ATF Jet- A1, Automotive Diesel Fuel	Flash Point- ABEL	IS 1448 (Part 20)
204	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Mineral Turpentine Oil , ATF Jet-A1, Automotive Diesel Fuel	Flash Point-ABEL	ISO 13736

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205	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Automotive Diesel Fuel, High Flash High Speed Diesel, Special Boiling Point Spirit, Naphtha, Motor Gasoline, Reformate, Hexane Food Grade	Distillation	ISO 3405
206	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Automotive Diesel Fuel, High Flash High Speed Diesel, Special Boiling Point Spirit, Naphtha, Motor Gasoline, Reformate, Hexane Food Grade	Distillation	IP 123
207	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Automotive Diesel Fuel, High Flash High Speed Diesel, Special Boiling Point Spirit, Naphtha, Motor Gasoline, Reformate, Hexane Food Grade	Distillation	ASTM D86
208	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Automotive Diesel Fuel, High Flash High Speed Diesel, Special Boiling Point Spirit, Naphtha, Motor Gasoline, Reformate, Hexane Food Grade	Distillation	IS 1448 (Part 18)
209	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil, Fuel Oil, Crude Oil	Water Content	ASTM D95
210	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil, Fuel Oil , Crude Oil	Water Content	IS 1448 (Part 40)
211	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil, Fuel Oil, Crude Oil	Water Content	ISO 3733
212	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil, Fuel Oil, High Flash High Speed Diesel	Flash Point -Pensky- Marten Closed Cup	IS 1448 (Part 21)
213	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil, Fuel Oil, High Flash High Speed Diesel	Flash Point -Pensky-Marten Closed Cup	ASTM D93
214	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil, Fuel Oil, High Flash High Speed Diesel	Flash Point -Pensky- Marten Closed Cup	ISO 2719
215	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas	Caustic test	IS 4576, Note 11
216	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas	Density	IS 1448 (Part 76)
217	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas	Gas Composition	IS 1448 Part 151
218	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas	Volatility	IS 1448 (Part 72)
219	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas Automotive	Motor Octane Number by GC	IS 14861, Annex A
220	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas for Automotive, Liquefied Petroleum Gas	Copper Strip Corrosion	IS 1448 Part 152

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221	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas for Automotive	Odour	IS 14861, Note 5
222	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas for Automotive, Liquefied Petroleum Gas	Gas Composition	ISO7941
223	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas for Automotive, Liquefied Petroleum Gas	Free Water Content	IS 4576, Note 9
224	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas for Automotive, Liquefied Petroleum Gas	Hydrogen Sulphide	IS 1448 Part 73
225	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas, Liquefied Petroleum Gas- Auto	Copper Corrosion	ASTM D1838
226	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas, Liquefied Petroleum Gas- Auto	Copper Strip Corrosion	ISO 6251
227	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas, Liquefied Petroleum Gas-Auto	Hydrogen Sulphide	ASTM D2420
228	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas, Liquefied Petroleum Gas-Auto	Propane, Propylene, butane, isobutane, npentane, 1pentene,1,3- butadiene, Cis-2- butane, trans-2-butene	IP 405
229	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas, Liquefied Petroleum Gas-Auto	Vapour Pressure	ASTM D1267
230	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas, Liquefied Petroleum Gas-Auto	Vapour Pressure	IS 1448 (Part 71)
231	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas, Liquefied Petroleum Gas-Auto	Vapour Pressure	ISO 4256
232	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas, Liquefied Petroleum Gas Auto, Propylene	Total Sulphur	ASTM D6667
233	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas-Auto	Motor Octane Number-Calculated	ISO 7941
234	CHEMICAL- PETROLEUM AND PRODUCTS	Liquefied Petroleum Gas-Auto	Evaporation Residue	ISO 13757
235	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Lead	ASTM D5059
236	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Vapour lock index (VLI)	IS 2796
237	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, ATF JET-A1, Reformate	Existent Gum	IS 1448 (Part 29):
238	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, ATF JET-A1, Reformate	Existent Gum	ASTM D381

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239	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, ATF JET-A1, Reformate	Existent Gum	IP 540
240	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, ATF JET-A1, Reformate	Existent Gum	ISO 6246
241	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Naphtha, Reformate	Reid Vapor Pressure	ASTM D323
242	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Naphtha, Reformate	Vapour Pressure by Mini Method	ASTM D5191
243	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Benzene Content	ASTM D3606
244	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Benzene Content	ASTM 6839
245	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Benzene Content	D5580
246	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Hydrocarbon Type	ASTM D6839
247	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Motor Octane Number	ASTM D2700
248	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Motor Octane Number	IS 1448 (Part 26)
249	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Motor Octane Number	ISO 5163
250	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Oxidation Stability	IS 1448 (Part 28)
251	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Oxidation Stability	ASTM D525
252	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Oxidation Stability	IP 40
253	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Oxygen Content	ASTM D4815
254	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Oxygen Content	ASTM D6839
255	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Oxygenates	ASTM D4815
256	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Oxygenates	ASTM D6839
257	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Research Octane Number	ASTM D2699

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258	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Research Octane Number	ISO 5164
259	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Research Octane Number	IS 1448 (Part 27):
260	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate	Sulphur mercaptans	ASTM D 3227
261	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate, ATF Jet-A1, Automotive Diesel Fuel, High Flash High Speed Diesel, Light Diesel Oil, Kerosene, Special Boiling Point Spirit	Copper Strip Corrosion	ASTM D130
262	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate, ATF Jet-A1, Automotive Diesel Fuel, High Flash High Speed Diesel, Light Diesel Oil, Kerosene, Special Boiling Point Spirit	Copper strip Corrosion	ISO 2160
263	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Reformate, ATF Jet-A1, Automotive Diesel Fuel, High Flash High Speed Diesel, Light Diesel Oil, Kerosene, Special Boiling Point Spirit	Copper Strip Corrosion	IS 1448 (Part 15)
264	CHEMICAL- PETROLEUM AND PRODUCTS	n-Butanol	Appearance	ASTM E2680
265	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Chloride	ASTM 4929
266	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Chloride	ASTM D7359
267	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Chloride	UOP
268	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Chloride	UOP 991
269	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Hydrocarbon Tyoe	IS 1448 Part 181
270	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Hydrocarbon Type	ASTM D6839
271	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Non-Volatile Matter	IS 1448 (Part 64):
272	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Sulphur - Mercaptan	IS 1448 (Part 36)
273	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Sulphur - Mercaptan	IS 1448 (Part36):
274	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Fuel Oil	Calorific Value	ASTM D240
275	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Fuel Oil	Calorific Value	IS 1448 (Part 6)

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276	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Fuel Oil	Gross Calorific Value	ASTM D4868
277	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Fuel Oil, Petcoke	Calorific Value	IS 1448 (Part 7)
278	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil, Motor Gasoline	Total Sulphur	ISO 20847
279	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil, Motor Gasoline	Total Sulphur	IP 336
280	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Kerosene, Mineral Turpentine Oil, ATF Jet-A1,Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil, Low Sulphur Heavy Stock, Motor Gasoline	Total Sulphur	ISO 13032
281	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Light Diesel Oil, Fuel Oil, High Flash High Speed Diesel , Crude Oil	Total Sulphur	ISO 8754
282	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline, Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Automotive Diesel Fuel, Light Diesel Oil, Fuel Oil, Crude Oil	Total Sulphur	ISO 14596
283	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline, Reformate	Reid Vapour Pressure	ISO 3007
284	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline, Reformate	Reid Vapour Pressure	IS 1448 (Part 39)
285	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Special Boiling Point Spirit	Paraffins, Iso-Paraffins, Olefins, Naphthenes, Aromatics	ASTM D5134
286	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Special Boiling Point Spirit, Hexane Food Grade	Hydrocarbon Types: Paraffins, Iso-Paraffins, Olefins, Naphthenes, Aromatics	ASTM D6730
287	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Special Boiling Point Spirit, Mineral Turpentine Oil	Residue on Evaporation	IS 1448 (Part 29)
288	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Rubber Modified Bitumen	Elastic Recovery	IS 15462, Annex 2019
289	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Rubber Modified Bitumen	Elastic Recovery	ASTM D6084
290	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Thermo gravimetric Analysis(TGA)- Moisture, Volatile Matter, Ash, Fixed Carbon	ASTM D7582
291	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Moisture content	ASTM D3302

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292	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Volatile Matter	ASTM D3175
293	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Ash content	IS 1448 (Part 126)
294	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Ash content	ASTM D4422
295	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Calorific Value	ASTM D5865:
296	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Calorific Value	IS 1448 (Part 6)
297	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Fixed carbon	ASTM D3172
298	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Fixed carbon	IS 8502, Annex B
299	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Hardgrove Grindability Index (HGI)	IS 4433
300	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Hardgrove Grindability Index (HGI)	ASTM D409
301	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Moisture content	ASTM D3173M
302	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Moisture content	IS 1448 (Part 132)
303	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Sulphur	ASTM D2622
304	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Sulphur	ASTM D4239
305	CHEMICAL- PETROLEUM AND PRODUCTS	Petcoke	Volatile Matter	IS 1448 (Part 134)
306	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Impurities Sulfur speciation	ASTM D 5504
307	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Impurities Sulfur speciation	ASTM D5623
308	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Oxygenates Impurities	ASTM D7423
309	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Permanent Gases Impurities	ASTM D2504
310	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Permanent Gases Impurities	ASTM D8098

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311	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Hydrocarbon Impurities	ASTM D2712
312	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Moisture	ASTM D5454
313	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Purity	ASTM D2163
314	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Mineral Turpentine Oil, ATF Jet-A1, Toluene, Liquefied Petroleum Gas	Doctor Test	IS 1448 (Part 19)
315	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Mineral Turpentine Oil, ATF Jet-A1, Toluene, Liquefied Petroleum Gas	Doctor Test	ASTM D4952
316	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Mineral Turpentine Oil, ATF Jet-A1, Toluene, Liquefied Petroleum Gas	Doctor Test	IP 30
317	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Naphtha, Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Food Grade Hexane	Saybolt Colour	ASTM D156
318	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Naphtha, Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Hexane Food Grade	Saybolt Colour	ASTM D6045
319	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Naphtha, Kerosene, Mineral Turpentine Oil, ATF Jet-A1, Hexane Food Grade	Saybolt Colour	IS 1448 (Part 14):
320	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Naphtha, Motor Gasoline, Reformate, Kerosene, Mineral Turpentine Oil, ATF Jet A-1, Automotive Diesel Fuel, Crude Oil, Fuel Oil, Hexane-Food Grade, High Flash High Speed Diesel, Light Diesel Oil	Density at 15°C	IS 1448 (Part 16)
321	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Naphtha, Motor Gasoline, Reformate, Kerosene, Mineral Turpentine Oil, ATF Jet A-1, Automotive Diesel Fuel, Crude Oil, Fuel Oil, Hexane-Food Grade, High Flash High Speed Diesel, Light Diesel Oil	Density 15°C	ISO 12185
322	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Naphtha, Motor Gasoline, Reformate, Kerosene, Mineral Turpentine Oil, ATF Jet A-1, Automotive Diesel Fuel, Crude Oil, Fuel Oil, Hexane-Food Grade, High Flash High Speed Diesel, Light Diesel Oil	Density at 15 °C	ASTM D4052
323	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Naphtha, Motor Gasoline, Reformate, Kerosene, Mineral Turpentine Oil, ATF Jet A-1, Automotive Diesel Fuel, Crude Oil, Fuel Oil, Hexane-Food Grade, High Flash High Speed Diesel, Light Diesel Oil	Density at 15°C	ASTM D1298
324	CHEMICAL- PETROLEUM AND PRODUCTS	Special Boiling Point Spirit, Naphtha, Motor Gasoline, Reformate, Kerosene, Mineral Turpentine Oil, ATF Jet A-1, Automotive Diesel Fuel, Crude Oil, Fuel Oil, Hexane-Food Grade, High Flash High Speed Diesel, Light Diesel Oil	Density at 15°C	ISO 3675
325	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Colour	IS 82:

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, BPCL - KOCHI REFINERY, AMBALAMUGAL, ERNAKULAM, KERALA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8054 **Page No** 19 of 19

Validity 04/10/2021 to 03/10/2023 **Last Amended on** 22/12/2021

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
326	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Distillation Range	Annex C of IS 537
327	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Hydrogen Sulphide and Sulphur Dioxide	IS 537, Annex E
328	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Purity of Toluene	IS 537, Annex D
329	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Relative Density at15°C	IS 537, Annex A
330	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Residue on Evaporation	Clause 8 of IS: 82
331	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Total Sulphur	IS 537, Annex B
332	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Water content	IP 438
333	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent	Biological Oxygen Demand (BOD)-3 Days,27degC	IS 3025 Part 44
334	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent	Chemical Oxygen Demand(COD)	IS 3025 Part 58
335	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent	Cyanide	IS 3025 Part 27 Sec 1
336	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent	Oil & Grease	IS 3025 Part 39
337	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent	pH	IS 3025 Part 11
338	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent	Phenol	IS 3025 Part 43
339	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent	Sulphides	IS 3025 Part 29
340	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent	Total Suspended Solids	IS 3025 : Part 17