National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VISAKHA SMART LABORATORY, INDIAN OIL CORPORATION LIMITED, MALKAPURAM, VISAKHAPATNAM, ANDHRA PRADESH, 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	Lube Oil	Kinematic Viscosity (Automatic Method0	ASTM D 7042
2	CHEMICAL- LUBRICANTS	Lube Oils	Kinematic Viscosity @ 100 °C	ASTM D 7042
3	CHEMICAL- LUBRICANTS	Lubes	Appearance(Visual)	SOP 1
4	CHEMICAL- LUBRICANTS	Lubes	Ash content	ASTM D482
5	CHEMICAL- LUBRICANTS	Lubes	Ash content	IS 1448(Part 4)
6	CHEMICAL- LUBRICANTS	Lubes	Ash content	ISO 6245
7	CHEMICAL- LUBRICANTS	Lubes	Colour(Visual)	SOP 13
8	CHEMICAL- LUBRICANTS	Lubes	Flash point (COC)	ASTM D92
9	CHEMICAL- LUBRICANTS	Lubes	Flash point (COC)	IS 1448(Part 69)
10	CHEMICAL- LUBRICANTS	Lubes	Flash point (PMCC) (Automatic)	ASTM D 93
11	CHEMICAL- LUBRICANTS	Lubes	Flash point(PMCC)	IS 1448(Part 21)
12	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity	ASTM D445
13	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity	IS 1448(Part 25/Sec1)
14	CHEMICAL- LUBRICANTS	Lubes	Kinematic Viscosity	ISO 3104
15	CHEMICAL- LUBRICANTS	Lubes	Sulfated Ash	IS 1448(Part 4/Sec 2)
16	CHEMICAL- LUBRICANTS	Lubes	Sulphated Ash	ASTM D874
17	CHEMICAL- LUBRICANTS	Lubes	Sulphated Ash	ISO 3987
18	CHEMICAL- LUBRICANTS	Lubes	Total Acid number	ASTM D974
19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Heating Oil (L D O), Biodiesel, Fuel Oil, Residual Marine Fuel, Kerosene.	Flash Point, PMCC	IS 1448 (Part 21) (Manual Method)
20	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel (VLSFO),Low Viscosity Fuel Oil	Density @ 15 °C	IS 1448 (Part 16) :
21	CHEMICAL- PETROLEUM AND PRODUCTS	Residual Marine Fuel (VLSFO),Heating Oil (L D O), Fuel Oil,	Total Sulphur by EDXRF	ASTM D 4294
22	CHEMICAL- PETROLEUM AND PRODUCTS	10% Ethanol Blended Motor Gasoline	Ethanol Content	BIS 2796 : Annex -C
23	CHEMICAL- PETROLEUM AND PRODUCTS	20% Ethanol Blended Motor Gasoline	Ethanol Content	BIS 17021: Annex -C
24	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Density @ 15 °C	ASTM D1298-12b

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25	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Density @ 15 °C	IS 1448[P:16]
26	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Density @ 15 °C (Automatic)	ASTM D 4052
27	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Doctor Test	ASTM D 4952
28	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Doctor Test	IS 1448 (Part 19)
29	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Electrical Conductivity	ASTM D 2624
30	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Electrical Conductivity	IP 274
31	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Electrical Conductivity	IS 1448(Part 148)
32	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Electrical Conductivity	ISO 6297
33	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Naphthalene content	ASTM D 1840
34	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1	Naphthalene content	IS 1448 (Part 118)
35	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1 , ATF JP-5	Distillation Temperature at 10% Recovery	ASTMD -86
36	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature at 90% Recovery	ASTM D-86
37	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature at 10% Recovery	IS 1448 (Part 18) (Manual Method)
38	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	DISTILLATION- IBP (Automatic)	ASTM D86 (Automatic Method)
39	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Performance Assessment of Water detecting Capsule	AQCAM - Appendix- VIII
40	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Appearance	ASTM D4176
41	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Aromatics	ASTM D 1319
42	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Aromatics	IS 1448 (Part 23)
43	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Colour (Saybolt)	ASTM D156

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44	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Colour (Saybolt)	IS 1448 (Part 14)
45	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Loss	ASTM D-86
46	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	DISTILLATION - RESIDUE(Automatic)	ASTM D86 (Automatic Method)
47	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	DISTILLATION - Temperature at 10% recovery (Automatic)	ASTM D86 (Automatic)
48	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation FBP	ASTM D86
49	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation FBP	IS 1448 (Part 18) (Automatic Method):
50	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Loss	IS 1448 (Part 18) (Automatic Method):
51	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation- Loss	IS 1448 (Part 18) (Manual Method)
52	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Residue	ASTM D-86
53	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Residue	IS 1448 (Part 18) (Automatic Method):
54	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Residue	IS 1448 (Part 18) (Manual Method)
55	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature at 50% Recovery	ASTM D-86
56	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature at Recovery 10%	IS 1448 (Part 18) (Automatic Method)
57	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature at Recovery 90%	IS 1448 (Part 18) (Automatic Method)
58	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature at Recovery at 50%	IS 1448 (Part 18) (Automatic Method):
59	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature FBP	IS 1448 (Part 18) (Manual Method)
60	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature IBP	IS 1448 (Part 18) (Automatic Method)
61	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature IBP	IS 1448 (Part 18) (Manual Method)
62	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature Recovery at 50%	IS 1448 (Part 18) (Manual Method)

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63	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Distillation Temperature Recovery at 90%	IS 1448 (Part 18) (Manual Method)
64	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	DISTILLATION Temperature at 50% recovery (Automatic)	ASTM D86 (Automatic)
65	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	DISTILLATION Temperature at 90% recovery(Automatic)	ASTM D86 (Automatic Method)
66	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	DISTILLATION-FBP(Automatic)	ASTM D86 (Automatic Method)
67	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	DISTILLATION-Loss(Automatic)	ASTM D86 (Automatic Method)
68	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Existent Gum	ASTM D381
69	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Existent Gum	IP 540
70	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Existent Gum	IS 1448 (Part 29)
71	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Existent Gum (Steam Method)	ASTM D 381
72	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Existent Gum (Steam Method)	IS 1448 (Part 29)
73	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Flash Point ,Abel	IP 170(Automatic Method)
74	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Flash Point Abel	IP 170
75	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Flash Point Abel	IS 1448 (Part 20B)
76	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Flash Point Abel	ISO 13736
77	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Flash Point Abel (Automatic Method)	ISO 13736
78	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Flash point(PMCC)	IS 1448 (Part 21)
79	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Flash Point, PMCC	ASTM D93 (Manual Method)
80	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Flash Point, PMCC (Automatic)	ASTM D93 (Automatic Method)
81	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Kinematic Viscosity @ -20 °C	ASTM D 445

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82	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Kinematic Viscosity @ -20 °C	IS 1448 [P:25]:
83	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Kinematic Viscosity @ -20 °C (Automatic)	ASTM D 7042
84	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Olefins	ASTM D1319
85	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Olefins	IS 1448 (Part 23)
86	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Saturates	ASTM D1319
87	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Saturates	IS 1448 (Part 23)
88	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Silver strip corrosion Test	IS 1571 Annexure B
89	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Smoke Point	ASTM D1322
90	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Smoke point	IS 1448(Part 31)
91	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Smoke point	ISO 3014
92	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Smoke Point (Automatic)	ASTM D-1322
93	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Sulfur Mercaptans	IS 1448(Part 109)
94	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Sulphur Mercaptans	ASTM D 3227
95	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Sulphur Mercaptans	IS 1448 (Part 109)
96	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Total Acidity	ASTM D 3242
97	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5	Total Acidity	IS 1448(Part 113)
98	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5, AvGas 100 LL	Total Sulphur by UV method	ASTM D 5453
99	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5, AvGas 100 LL	Total Sulphur by EDXRF	ASTM D 4294
100	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5, AvGas 100 LL	Total Sulphur by UV method	ASTM D 5453

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101	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JETA-1, ATF JP-5, Aviation Gasoline 100LL	particulate contaminant of aviation turbine fuels- Millipore Test	IP 216
102	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JP-5	Density @ 15 °C	ASTM D 4052
103	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JP-5	Density @ 15 °C	ASTM D1298-12b
104	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JP-5	Density @ 15 °C	IS 1448[P:16]
105	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JP-5	Doctor Test	ASTM D 4952
106	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JP-5	Doctor Test	IS 1448(Part 19)
107	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JP-5	Naphthalene content	ASTM D 1840
108	CHEMICAL- PETROLEUM AND PRODUCTS	ATF JP-5	Naphthalene content	IS 1448 (Part 118)
109	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density @ 15 °C	ASTM D 4052
110	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density @ 15 °C	ASTM D1298-12b
111	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Density @ 15 °C	IS 1448[P:16]
112	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation Temperature 95% Recovery	IS 1448 (Part 18) Manual method
113	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation Temperature 95% Recovery(Automatic)	ASTM D-86 Automatic Method
114	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation Temperature at 95% Recovery	ASTM D-86 Manual Method
115	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel	Distillation Temperature at Recovery 95%	IS 1448 (Part 18) (Automatic Method)
116	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Carbon residue, (Ramsbottom) on 10% Distillation Residue.	ASTM D 524-15
117	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Carbon residue, (Ramsbottom) on 10% Distillation Residue.	IS 1448 (Part 8)
118	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Cetane Index	ASTM D4737

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119	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Determination of Trace Elements (ICP-AES): Calcium	ASTM D7111
120	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Determination of Trace Elements (ICP-AES): Lead	ASTM D7111
121	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Determination of Trace Elements (ICP-AES): Potassium	ASTM D7111
122	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Determination of Trace Elements (ICP-AES): Sodium	ASTM D7111
123	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Determination of Trace Elements (ICP-AES): Vanadium	ASTM D7111
124	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Kinematic viscosity @ 40°C	ASTM D 445
125	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Kinematic viscosity @ 40°C	ISO 3104
126	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Kinematic viscosity @40°C	IS 1448 [P:25/Sec 1]
127	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel	Kinematic viscosity @40°C (Automatic method)	ASTM D 7042
128	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Biodiesel, Motor Gasoline, Kerosene, Ethanol Blended Gasoline	Appearance	ASTM 4176
129	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Heating Oil (L D O), Biodiesel, Fuel Oil, Residual Marine Fuel, Kerosene	Flash Point PMCC	ASTM D 93 (Automatic Method)
130	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Flash High Speed Diesel, Heating Oil (L D O), Biodiesel, Fuel Oil, Residual Marine Fuel, Kerosene	Flash Point: PMCC	ASTM D93(Manual Method)
131	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Kerosene	Flash Point , Abel	ISO 13736
132	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Kerosene	Flash Point, Abel	IP 170
133	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Kerosene	Flash Point, Abel	IS 1448 (Part 20) (Manual Method)
134	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, Kerosene	Flash Point, Abel (Automatic Method)	ISO 13736
135	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel,Kerosene	Flash Point Abel (Automatic Method)	IP 170
136	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, High Flash High Speed Diesel, Biodiesel	Colour (ASTM)	ASTM D1500

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137	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, High Flash High Speed Diesel, Biodiesel	Colour(ASTM)	IS 1448(Part)12
138	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, High Flash High speed diesel, Heating Oil (L D O), Fuel Oil, Residual Marine Fuel, Lubes	Ash Content	IS 1448 (Part 4)
139	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, High Flash High speed diesel, Heating Oil (L D O), Fuel Oil, Residual Marine Fuel, Lubes	Ash Content	ISO 6245
140	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, High Flash High speed diesel, Heating Oil (L D O), Fuel Oil, Residual Marine Fuel, Lubes.	Ash content	ASTM D482
141	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	Existent Gum	ASTM D 381
142	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	Existent Gum	IP 540
143	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	Existent Gum	IS 1448 (Part 29)
144	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS	Reid Vapour Pressure	IS 1448(Part 39)
145	CHEMICAL- PETROLEUM AND PRODUCTS	AvGas 100 LL	Density @ 15 °C	ASTM D 4052
146	CHEMICAL- PETROLEUM AND PRODUCTS	AvGas 100 LL	Density @ 15 °C	ASTM D1298-12b
147	CHEMICAL- PETROLEUM AND PRODUCTS	AvGaS 100 LL	Density @ 15 °C	IS 1448[P:16]
148	CHEMICAL- PETROLEUM AND PRODUCTS	AvGas 100 LL	Existent Gum (Steam Method)	ASTM D 381
149	CHEMICAL- PETROLEUM AND PRODUCTS	AvGas 100 LL	Total Sulphur by EDXRF	ASTM D 4294
150	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS, ATF JETA-1, ATF JP-5	Aniline Point	ASTM D611
151	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS, ATF JETA-1, ATF JP-5	Aniline Point	IS 1448 (Part 3)
152	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS, ATF JETA-1, ATF JP-5	Copper Strip Corrosion Test	ASTM D130
153	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS, ATF JETA-1, ATF JP-5	Copper Strip Corrosion Test	IS 1448 (Part 15)
154	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS, ATF JETA-1, ATF JP-5	Freezing Point	IS 1448 (Part 11)
155	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS, ATF JETA-1, ATF JP-5	Specific Energy	ASTM D3338

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156	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS, ATF JETA-1, ATF JP-5	Water Reaction	ASTM D1094
157	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS, ATF JETA-1, ATF JP-5	water Reaction	IS 1448 (Part 42)
158	CHEMICAL- PETROLEUM AND PRODUCTS	AVGAS, ATFJETA-1, ATF JP-5	Freezing Point	ASTM D2386
159	CHEMICAL- PETROLEUM AND PRODUCTS	AvGas100 LL	Existent Gum (Steam Method)	IS 1448 (Part 29)
160	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Loss	ASTM D-86 Automatic Method
161	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Loss	ASTM D-86 Manual Method
162	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Residue	ASTM D-86 Automatic Method
163	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Residue	ASTM D-86 Manual Method
164	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Temperature at Recovery 10% v/v	ASTM D-86 Automatic Method
165	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Temperature at Recovery 10% v/v	ASTM D-86 Manual Method
166	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Temperature at Recovery 40% v/v	ASTM D-86 Manual Method
167	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Temperature at Recovery 50% v/v	ASTM D-86 Automatic Method
168	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Temperature at Recovery 50% v/v	ASTM D-86 Automatic Method
169	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Temperature at Recovery 90% v/v	ASTM D-86 Automatic Method
170	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Temperature at Recovery 90% v/v	ASTM D-86 Manual Method
171	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation temperature FBP	ASTM D-86 Automatic Method
172	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Temperature FBP	ASTM D-86 Manual Method
173	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline -100 LL	Distillation Temperature IBP	ASTM D-86 Automatic Method
174	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation FBP	IS 1448 (Part 18) (Automatic Method)

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175	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation FBP	IS 1448 (Part 18) (Manual Method)
176	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Loss	IS 1448 (Part 18) (Automatic Method)
177	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Loss	IS 1448 (Part 18) (Manual Method)
178	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Residue	IS 1448 (Part 18) (Automatic Method)
179	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Residue	IS 1448 (Part 18) (Manual Method)
180	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Temperature 40% Recovery	IS 1448 (Part 18) (Automatic Method)
181	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Temperature at 10% Recovery	IS 1448 (Part 18) (Automatic Method)
182	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Temperature at 10% Recovery	IS 1448 (Part 18) (Manual Method)
183	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Temperature at 40% Recovery	IS 1448 (Part 18) (Manual Method)
184	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Temperature at 50% Recovery	IS 1448 (Part 18) (Automatic Method)
185	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Temperature at 50% Recovery	IS 1448 (Part 18) (Manual Method)
186	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Temperature at 90% Recovery	IS 1448 (Part 18) (Automatic Method)
187	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Temperature at 90% Recovery	IS 1448 (Part 18) (Manual Method)
188	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100 LL	Distillation Temperature IBP	ASTM D-86 Manual Method
189	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline 100LL	Distillation IBP	IS 1448 (Part 18) (Automatic Method)
190	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Gasoline-100LL	Distillation IBP	IS 1448 (Part 18) (Manual Method)
191	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Acid Number	ASTM D 974
192	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Acid Number	IS 1448 (Part 1/Sec 1)
193	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Cold Filter Plugging Point	ASTM D 6371

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194	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Cold Filter Plugging Point	IS 1448 (Part 110)
195	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Water content by Distillation	ASTM D 95
196	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Water content by Distillation	IS 1448 (Part 40)
197	CHEMICAL- PETROLEUM AND PRODUCTS	Effluent Water from Oil Water Separator	Oil & Grease Content	IS 3025 (Part 39)Liquid-liquid Partition Gravimetric Method:
198	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Acidity	IS 15464 Annex D :
199	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Aldehyde Content:	IS 15464 Annex E:
200	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Alkalinity	IS 15464 Annex D:
201	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Appearance (Visual Observation)	IS 15464
202	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Ethanol Content	IS 15464 Annex B(IS 2302)
203	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Miscibility With Water	IS 15464 Annex J:
204	CHEMICAL- PETROLEUM AND PRODUCTS	ETHANOL	Specific Gravity @ 15.6 °C	IS 15464 Annex A:
205	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel	Asphaltenes (Heptane Insolubles)	ASTM D 6560
206	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel	Asphaltenes (Heptane Insolubles)	IP 143
207	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel	Cleanliness and Compatibility by Spot Test	ASTM 4740
208	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel	Inorganic Acidity of petroleum products	IP 182
209	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel (VLSFO)	Total Sediments (Aged)	ISO 10307
210	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel (VLSFO),Low Viscosity Fuel Oil	Density @ 15 °C	ASTM D1298-12b
211	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel Oil	Determination of Vanadium by (ICP-AES)	IP 501
212	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel Oil	Determination of Aluminum by (ICP-AES)	IP 501

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213	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel Oil	Determination of Calcium by (ICP-AES)	IP 501
214	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel Oil	Determination of Phosphorus by (ICP-AES)	IP 501
215	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel Oil	Determination of Silicon by (ICP-AES)	IP 501
216	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel Oil	Determination of Sodium by (ICP-AES)	IP 501
217	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil, Residual Marine Fuel Oil	Determination of Zinc by (ICP-AES)	IP 501
218	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O), Fuel Oil	Sediment by Extraction	ASTM D473
219	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O)	Density @ 15 °C	ASTM D1298-12b
220	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O)	Density @ 15 °C	IS 1448 (Part 16)
221	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O)	Kinematic viscosity @ 40°C	ASTM D 445
222	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O)	Kinematic viscosity @ 40°C	IS 1448 [P:25/Sec 1]
223	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O)	Kinematic viscosity @ 40°C	ISO 3104
224	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O), Fuel Oil	Sediments by Extraction	IS 1448 (Part 30)
225	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O), Fuel Oil	Water content by distillation	ASTM D95
226	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O), Fuel Oil	Water content by distillation	IS 1448 (Part 40)
227	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O), Fuel Oil, LVFO	Total Sulphur by EDXRF	ASTM D 4294
228	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O), Fuel Oil, Residual Marine Fuel	Pour Point	ASTM D 97
229	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O), High Flash High Speed Diesel	Copper strip corrosion test	ASTM D130
230	CHEMICAL- PETROLEUM AND PRODUCTS	Heating Oil (L D O), High Flash High Speed Diesel	Copper strip corrosion test	IS 1448 (Part 15)
231	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Density @ 15 °C	ASTM D1298-12b

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232	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Density @ 15 °C	ASTM D 4052
233	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Density @ 15 °C	IS 1448[P:16]
234	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation - FBP	IS 1448 (Part 18) (Manual Method)
235	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature FBP	ASTM D-86 Manual Method
236	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation IBP	IS 1448 (Part 18) (Automatic Method)
237	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Residue + Loss	ASTM D-86 Automatic Method
238	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Residue + Loss	IS 1448 (Part 18) (Automatic Method)
239	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Residue + Loss	IS 1448 (Part 18) (Manual Method)
240	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Residue+ Loss	ASTM D-86 Manual Method
241	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature 90% Recovery	ASTM D-86 Automatic Method
242	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature @ 10% Recovery	IS 1448 (Part 18) (Manual Method)
243	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature 10% Recovery	ASTM D-86 Automatic Method
244	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature 50 % Recovery	ASTM D-86 Manual Method
245	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature 50% Recovery	ASTM D-86 Automatic Method
246	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature 90% Recovery	ASTM D-86 Manual Method
247	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature at 10% Recovery	ASTM D86-Manual Method
248	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature at 10% Recovery	IS 1448 (Part 18) (Automatic Method)
249	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature at 50% Recovery	IS 1448 (Part 18) (Automatic Method)
250	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature at 50% Recovery	IS 1448 (Part 18) (Manual Method)

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251	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature at 90% Recovery	IS 1448 (Part 18) (Automatic Method)
252	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature at 90% Recovery	IS 1448 (Part 18) (Manual Method)
253	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature FBP	ASTM D-86 Automatic Method
254	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature IBP	ASTM D-86 Automatic Method
255	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature IBP	ASTM D86 Manual Method
256	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Distillation Temperature IBP	IS 1448 (Part 18) (Manual Method)
257	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel	Particulate Contamination	ASTM D 6217
258	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel, Automotive Diesel	Pour Point	ASTM D 97
259	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel, Automotive Diesel	Pour point	IS 1448 (Part 10/Sec 2)
260	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel, Automotive Diesel, Heating Oil (L D O), Fuel Oil, Residual Marine Fuel	Pour Point	IS 1448(Part 10/Sec2)
261	CHEMICAL- PETROLEUM AND PRODUCTS	JetA-1, JP-5	Distillation IBP	ASTM D-86
262	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour (Saybolt)	ASTM D 156
263	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour (Saybolt)	IS 1448 (Part 14)
264	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density @ 15 °C	ASTM D 4052
265	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density @ 15 °C	IS 1448[P:16]
266	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density @ 15 °C	ASTM D1298-12b
267	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation FBP	IS 1448 (Part 18) (Automatic Method)
268	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation FBP	IS 1448 (Part 18) (Manual Method)
269	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation IBP	IS 1448 (Part 18) (Automatic Method)

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270	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation IBP	IS 1448 (Part 18) (Manual Method)
271	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Recovery @ 200 °C	IS 1448 (Part 18) (Automatic Method)
272	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Recovery at 200 °C	ASTM D-86 Automatic Mehtod
273	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Recovery at 200 °C	ASTM D-86 Manual Method
274	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Recovery at 200 °C	IS 1448 (Part 18) (Manual Method)
275	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Temperature IBP	ASTM D-86 Manual Method
276	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Temperature FBP	ASTM D-86 Automatic Method
277	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Temperature FBP	ASTM D-86 Manual Method
278	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Temperature IBP	ASTM D-86 Automatic Method
279	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke point	ASTM D 1322
280	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IS 1448(Part 31)
281	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke point	ISO 3014
282	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, High Flash High Speed Diesel	Total Sulphur by EDXRF	ASTM D 4294
283	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene, High Flash High Speed Diesel	Total Sulphur by UV method	ASTM D 5453
284	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation -E 100°C	ASTM D-86 Manual Method
285	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density @ 15 °C	ASTM D 4052
286	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density @ 15 °C	ASTM D1298-12b RA
287	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Density @ 15 °C	IS 1448[P:16]
288	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation - E150 °C	S 1448 (Part 18) (Automatic Method)

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289	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation - FBP	S 1448 (Part 18) (Manual Method)
290	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation -E 100°C(Automatic)	ASTM D-86 Automatic Method
291	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation -E 150°C	ASTM D-86 Manual Method
292	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation E 70°C	IS 1448 (Part 18) (Automatic Method)
293	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation -E 70°C	ASTM D-86 Manual Method
294	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation -E 70°C(Automatic)	ASTM D-86 Automatic Method
295	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation -E100 °C	IS 1448 (Part 18) (Manual Method)
296	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation E-100 °C	IS 1448 (Part 18) (Automatic Method)
297	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation E-150 °C	IS 1448 (Part 18) (Manual Method)
298	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation E-150°C(Automatic)	ASTM D-86 Automatic Method
299	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation E70°C	IS 1448 (Part 18) (Manual Method)
300	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation FBP	IS 1448 (Part 18) (Automatic Method)
301	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation IBP	IS 1448 (Part 18) (Manual Method)
302	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation -IBP	IS 1448 (Part 18) (Automatic Method)
303	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation Residue	IS 1448 (Part 18) (Automatic Method)
304	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation Residue	IS 1448 (Part 18) (Manual Method)
305	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation- Residue	ASTM D-86 Manual Method
306	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation Residue (Automatic)	ASTM D-86 Automatic Method
307	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation Temperature - FBP	ASTM D-86 Manual Method

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308	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation Temperature FBP(Automatic)	ASTM D-86 Automatic Method
309	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation Temperature- IBP	ASTM D-86 Manual Method
310	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Distillation Temperature IBP(Automatic)	ASTM D86 Automatic Method
311	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Gum content	ASTM D 381
312	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Gum content	IP 540
313	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Gum content	IS 1448 (Part 29)
314	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Gum Content (Steam Method)	ASTM D 381
315	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline	Gum Content (Steam Method)	IS 1448 (Part 29)
316	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline , Automotive Diesel Fuel, High Flash High Speed Diesel,	Total Sulphur by UV method	ASTM D 5453
317	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, AVGAS, Motor Gasoline, ATF JETA-1, ATF JP-5, Kerosene, Automotive Diesel Fuel, High Flash High Speed Diesel, Heating Oil (L D O), Biodiesel, Fuel Oil, Residual Marine Fuel	Density by Digital density meter	ASTM D 4052
318	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, AVGAS, Motor Gasoline, ATF JETA-1, ATF JP-5, Kerosene, Automotive Diesel Fuel, High Flash High Speed Diesel, Heating Oil (L D O), Biodiesel, Fuel Oil, Residual Marine Fuel	Appearance(Visual)	SOP-1
319	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, AVGAS, Motor Gasoline, ATF JETA-1, ATF JP-5, Kerosene, Automotive Diesel Fuel, High Flash High Speed Diesel, Heating Oil (L D O), Biodiesel, Fuel Oil, Residual Marine Fuel	Colour(Visual)	SOP-13
320	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Fuel Oil, Residual Marine Fuel	Calorific Value	IS 1448(Part 7)
321	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline	Aromatics	ASTM D1319
322	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline	Aromatics	IS 1448 (Part 23):2004 RA
323	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline	Olefins	ASTM D1319
324	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline	Olefins	IS 1448 (Part 23):2004 RA

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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
325	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline	Reid Vapour Pressure	IS 1448 (Part 39)
326	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline	Saturates	ASTM D1319
327	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline	Saturates	IS 1448 (Part 23)
328	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline Kerosene, Automotive Diesel Fuel, Biodiesel	Copper strip corrosion test	ASTM D 130
329	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline Kerosene, Automotive Diesel Fuel, Biodiesel	Copper strip corrosion test	IS 1448 (Part 15)
330	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline, ATF JETA-1, ATF JP-5, Kerosene, AVGAS, Automotive Diesel, High Flash High Speed Diesel	Distillation	ASTM D86-19, ISO 3405-2011, IS 1448(Part 18)
331	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha, Motor Gasoline, AVGAS	Reid Vapour Pressure	IS 1448(Part 39)
332	CHEMICAL- PETROLEUM AND PRODUCTS	Residual Marine Fuel	Calculated Carbon Aromaticity Index (CCAI)	ISO 8217
333	CHEMICAL- PETROLEUM AND PRODUCTS	Residual Marine Fuel (VLSFO),Fuel Oil	Kinematic viscosity @ 50°C	ASTM D 445