National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BARAUNI TERMINAL LABORATORY, INDIAN OIL CORPORATION LIMITED, POST: BARAUNI REFINERY, BEGUSARAI, BIHAR, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 30/03/2023 to 29/03/2025 **Last Amended on** 14/06/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants	Distillation- Temperature at % recovery	ASTM D86 (Manual Method)
2	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants	Distillation- Temperature at 10% recovery	ASTM D86 (Automatic Method)
3	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants	Distillation- Temperature at 95% v/v recovery	IS 1448 (P:18) (Automatic Method)
4	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Acidity, Total	ASTM D664
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Appearance	ASTM D4176
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Calculated Cetane Index (CCI)	IP 380
7	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Colour	IOCM MGS-1/2016
8	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Cu strip corrosion for 3 Hrs at 50 Degree C	IS 1448 : P15
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Cu Strip corrosion for 3 Hrs at 50 Degree C	ASTM D130
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Density (By Auto Density Meter)	ASTM D4052
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Density (By Hydrometer method)	IP 160
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Density (By hydrometer method)	ASTM D1298-12B
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Density (By hydrometer method)	IS 1448: P16
14	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation - FBP	ASTM D86 (Manual Method)
15	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation - Residue	IS 1448 (P:18) (Automatic Method)
16	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation - Temperature	ASTM D86
17	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation - Temperature at 10% recovery	ASTM D86 (Manual Method)
18	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation - Temperature at 10% recovery	IS 1448 (P:18) (Automatic Method)

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation - Temperature at 50% recovery	IS 1448 (P:18) (Manual Method)
20	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation - Temperature at 95% v/v recovery	ASTM D 86 (Automatic Method)
21	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- FBP	IS 1448 (P:18) (Automatic Method)
22	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- FBP	IS 1448 (P:18) (Manual Method)
23	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- IBP	ASTM D86 (Automatic Method)
24	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- IBP	ASTM D86 (Automatic Method)
25	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- IBP	ASTM D86 (Manual method)
26	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- IBP	IS 1448 (P:18) (Manual Method)
27	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- IBP	IS 1448 (P:18) (Automatic Method)
28	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Loss	ASTM D86 (Automatic Method)
29	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Loss	ASTM D86 (Manual Method)
30	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Loss	IS 1448 (P:18) (Manual Method)
31	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Loss	IS 1448 (P:18) (Automatic Method)
32	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Residue	ASTM D 86 (Automatic Method)
33	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Residue	ASTM D86 (Manual Method)
34	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Temperature at % recovery	ASTM D86 (Automatic Method)
35	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Temperature at % recovery	IS 1448 (P:18) (Manual Method)
36	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Temperature at 10% recovery	IS 1448 (P:18)
37	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Temperature at 50% recovery	ASTM D 86 (Manual Method)

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Distillation- Temperature at 90% recovery	IS 1448 (P:18) (Automatic Method)
39	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Kinematic Viscosity @ 40 degree	ASTM D7042
40	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blends up to B20)	Total Sulphur	ASTM 4294
41	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants (Biodiesel blended upto B20)	Acidity, Total	ASTM D664
42	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Density (By hydrometer method)	ISO 3675
43	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Temperature	IS 1448 (P:18)
44	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Temperature at % recovery	IS 1448 (P:18) (Automatic Method)
45	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Temperature at 50% recovery	ASTM D86 :Automatic Method)
46	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Temperature at 50% recovery	IS 1448 (P:18) (Automatic Method)
47	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Temperature at 90% recovery	ASTM D86 (Automatic Method)
48	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Temperature at 90% recovery	ASTM D86 (Manual Method)
49	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Temperature at 90% recovery	IS 1448 (P:18) (Manual Method)
50	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Temperature at 95% v/v recovery	ASTM D86 (Manual Method)
51	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Temperature at 95% v/v recovery	IS 1448 (P:18) (Manual Method)
52	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Volume	ASTM D86
53	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Distillation- Volume	IS 1448 (P:18)
54	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Flash Point, Abel, Degree C	IP 170
55	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Flash Point, Abel, Degree C	IS 1448:P20
56	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Flash Point, Abel, Degree C	ISO 13736

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Flash Point, PMCC, Degree C	IS 1448 (P:21)
58	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Flash Point, PMCC, Degree C	ISO 2719
59	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Kinematic Viscosity @ 40 Degree	ASTM D445
60	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Kinematic Viscosity @ 40 degree	IS 1448 (P:25) Sec 1
61	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Kinematic Viscosity @ 40 degree C	ISO 3104
62	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Pour Point	ASTM D97
63	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Pour Point	IS 1448 P10 SEC 2
64	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Pour Point	ISO 3016
65	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Total Sulphur	ASTM D5453
66	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Water Content	ASTM D 6304
67	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants(Biodiesel blends up to B20)	Water Content	ISO 12937
68	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants. (Biodiesel blends up to B20)	Calculated Cetane index (CCI)	ASTM D4737
69	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High Speed Diesel, HSD & its variants. (Biodiesel blends up to B20)	Calculated Cetane index (CCI)	ISO 4264
70	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel Fuel, High(Biodiesel blends up to B20) Speed Diesel, HSD & its variants	Distillation- Residue	IS 1448 (P:18) (Manual Method)
71	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Acid Value	ASTM D664
72	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Appearance	ASTM D4176
73	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Appearance	IOCM MGS-1, Issue No. 01, Issue Date 15.06.2016
74	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Colour	IOCM MGS-1, Issue No 01, Issue date 15.06.2016
75	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Copper Strip Corrosion , 3 Hrs at 50 Deg. C	IS 1448 (P:15)

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76	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Copper Strip Corrosion, 3 Hrs at 50 Deg. C	ASTM D130
77	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Copper Strip Corrosion, 3 Hrs at 50 Deg. C	IP 154
78	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Density Automatic	ASTM D4052
79	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Density by Hydrometer	ASTM D1298
80	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Density by Hydrometer	IP 160
81	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Density by Hydrometer	IS 1448 (P:16)
82	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Flash Point (PMCC)	ASTM D93
83	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Flash Point (PMCC)	IS 1448 (P:21)
84	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Flash Point (PMCC)	IP 34
85	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Kinematic Viscosity @ 40 deg. C	IS 1448 (P:25) sec 1
86	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Kinematic Viscosity @ 40 deg. C	ISO 3104
87	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Kinematic Viscosity @ 40 oC	ASTM D7042
88	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Kinematic Viscosity a@ 40 deg. C	ASTM D445
89	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Total Sulphur	ASTM D5453
90	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Water Content	ASTM 6304
91	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Water Content	ISO 12937
92	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Acidity	IS 15464: Annexure-D
93	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Aldehyde Content	IS 15464: Annexure-F
94	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Alkalinity	IS 15464: Annexure-D

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95	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Appearance	IOCM MGS-1, Issue No1, Issue Date 15.06.2016
96	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Colour	IOCM MGS-1, Issue No 1, Issue Date 15.06.2016
97	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Ethanol Content % Vol @ 15.6 Deg. C	IS 2302
98	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Miscibility with water	IS 15464: Annexure-C
99	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Relative Density at 15/15 Deg. C	IS 15464: Annexure-A
100	CHEMICAL- PETROLEUM AND PRODUCTS	Ethanol	Residue on Evaporation	IS 15464: Annexure- E
101	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants (EBMG up to E20)	Distillation- Volume Recovery at 70 Degree C, % V/V	ASTM D86 (Automatic Method)
102	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Volume Recovery at 70 Degree C, % V/V	IS1448 : P18 (Automatic Method)
103	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its varaints (EBMG up to E20)	Density @ 15 Degree C (By Hydrometer method)	IP 160
104	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its varaints (EBMG up to E20)	Distillation- Volume Recovery at 150 Degree C, % V/V	ASTM D86 Automatic Method)
105	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its varaints(EBMG up to E20)	Distillation- FBP, Degree C	Is 1448 (P:18) Manual Method)
106	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its varaints(EBMG up to E20)	Distillation- FBP, Degree C	IS 1448 (P:18) (Automatic Method)
107	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its varaints(EBMG up to E20)	Distillation- Volume Recovery at 150 Degree C , % V/V	Is 1448 (P:18) (Manual Method)
108	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants	Distillation- Volume Recovery at 70 Degree C , % V/V	ASTM D86 (Manual Method)
109	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants (EBMG up to E20)	Density @ 15 Degree C (By Hydrometer method)	IS 1448: P16
110	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants (EBMG up to E20)	Distillation - Temperature, Degree C	ASTM D86 Manual Method)
111	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants (EBMG up to E20)	Distillation- FBP, Degree C	ASTM D 86 (Manual method)
112	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants (EBMG up to E20)	Distillation- Volume Recovery at 70 Degree C , % V/V	IS 1448 (p:18) (Manual Method)
113	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants EBMG upto E20	Distillation- Volume Recovery at 100 Degree C, V/V	Is 1448 (P:18) (Manual Method)

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114	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants EBMG upto E20	Gum Content (Solvent Washed)	IS1448 P:29
115	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- IBP, Degree C	ASTM D 86 (Manual Method)
116	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Temperature, Degree C	ASTM D86 (Automatic Method)
117	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Volume (% V/V) Recovery at Temperature Degree C	IS 1448 (P:18) (Automatic Method)
118	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Volume (% V/V) Recovery at Temperature Degree C	IS 1448 (P:18) (Manual Method)
119	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Volume Recovery at 100 Degree C , % V/V	ASTM D86 (Automatic Method)
120	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Volume Recovery at 100 Degree C , % V/V	IS 1448 (P:18) (Automatic Method)
121	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Volume Recovery at 100 Degree C, % V/V	ASTM D86 (Manual Method)
122	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Volume Recovery at 150 Degree C, % V/V	ASTM D86 (Manual Method)
123	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Water Content	ASTM D6304
124	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) and its varaints(EBMG up to E20)	Total Sulphur	ASTM 4294
125	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) and its variants	Total Sulphur	ASTM D5453
126	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) and its variants (EBMG up to E20)	Total Sulphur	ASTM D5453
127	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its varaints(EBMG up to E20)	Distillation- FBP, Degree C	ASTM D86 (Automatic Method)
128	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its varaints(EBMG up to E20)	Distillation- IBP, Degree C	IS 1448 (P:18) (Manual Method)
129	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its varia(EBMG up to E20)nts	Distillation- Temperature, Degree C	IS 1448 (p:18) (Manual Method)
130	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants (EBMG up to E20)	Density @ 15 Degree C (By Auto Density Meter)	ASTM D4052
131	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants (EBMG upto E20)	Distillation- Volume (% V/V) Recovery at Temperature Degree C	ASTM D86 (Manual Method)

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132	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Appearance	ASTM D4176
133	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Appearance	IOCM MGS-1/2016
134	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Cu strip corrosion for 3 Hrs at 50 degree C	ASTM D130
135	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Cu strip corrosion for 3 Hrs at 50 Degree C	IS 1448 : P15
136	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Density @ 15 Degree C (By Hydrometer method)	ASTM D1298
137	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Density @ 15 Degree C (By Hydrometer method)	ISO 3675
138	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- IBP, Degree C	IS 1448 (P:18) (Automatic method)
139	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Temperature, Degree C	IS 1448 (p:18) (Automatic Method)
140	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Volume (% V/V) , Recovery at Temperature degree C	ASTRM D86 (Automatic Method)
141	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation- Volume Recovery at 150 Degree C , % V/V	IS 1448 (P:18) (Automatic Method)
142	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its variants(EBMG up to E20)	Distillation-IBP , Degree C	ASTM D86 (Automatic Method)
143	CHEMICAL- PETROLEUM AND PRODUCTS	MS (Motor Spirit) & its varients(EBMG up to E20)	Water Content	ISO 12937
144	CHEMICAL- PETROLEUM AND PRODUCTS	MS(Motor Spirit) & its variants (EBMG upto E20)	Total acidity	ASTM D664
145	CHEMICAL- PETROLEUM AND PRODUCTS	NMA (N-Methyl Aniline)	Appearance	IOCM MGS-1/2016
146	CHEMICAL- PETROLEUM AND PRODUCTS	NMA (N Methyl Aniline)	Flash Point, PMCC, Degree C	ASTM D93
147	CHEMICAL- PETROLEUM AND PRODUCTS	NMA (N Methyl Aniline)	Relative Density @ 15.6 Degree C	ASTM D1298
148	CHEMICAL- PETROLEUM AND PRODUCTS	NMA (N Methyl Aniline)	Relative Density, @15.6 Degree C	IOCL HO MKT. DIVN. SOP FOR NMA, DATED 16.03.2021
149	CHEMICAL- PETROLEUM AND PRODUCTS	NMA (N-Methyl Analine)	Flash Point, PMCC, Degree C	IS 1448 (Part:21)

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150	CHEMICAL- PETROLEUM AND PRODUCTS	NMA (N-Methyl Aniline)	Appearance	ASTM D4176
151	CHEMICAL- PETROLEUM AND PRODUCTS	NMA (N-Methyl Aniline)	Colour	IOCM MGS-1/2016
152	CHEMICAL- PETROLEUM AND PRODUCTS	NMA (N-Methyl Aniline)	Flash Point, PMCC , Degree C	ISO 2719
153	CHEMICAL- PETROLEUM AND PRODUCTS	SK (Superior Kerosene Oil), Kerosene & its variant PCK	Distillation- Residue (%v/v)	IS 1448 (P:18) (Automatic Method)
154	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil) , Kerosene & its variants PCK	Appearance	IOCM MGS-1/2016
155	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil) , Kerosene & its VariantsPCK	CU strip corrosion for 3 Hrs at 50 Degree C	IS 1448 : P15
156	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its its variants (PCK)	Total Sulphur	ASTM D 5453
157	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Temperature at 10% recovery	IS 1448 (P:18) (Manual Method)
158	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Temperature at 90 % recovery	ASTM D86 (Manual Method)
159	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Volume (% v/v) recovery at temperature oC	ASTM D86 (Automatic Method)
160	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants	Total Sulphur	ASTM D 4294
161	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants (PCK)	Cu strip corrosion for 3 Hrs at 50 Degree C	ASTM D130
162	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variants (PCK)	Density @ 15 Degree C (By Hydrometer method)	IS1448: P16
163	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants (PCK)	Density @15 Degree C (By Auto Density Meter)	ASTM D4052
164	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants (PCK)	Distillation- IBP, oC	IS 1448 (P:18) (Manual Method)
165	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variants (PCK)	Distillation- IBP, oC	IS 1448 (P:18) (Automatic Method)
166	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants(PCK)	Appearance	ASTM D4176
167	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variants(PCK)	Colour	IOCM MGS-1/2016
168	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variants(PCK)	Density @ 15 Degree C (By Hydrometer method)	ASTM D1298

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
169	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants(PCK)	Flash Point, Abel, Degree C	IP 170
170	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants(PCK)	Flash Point, Abel, Degree C	IS 1448:P20
171	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants(PCK)	Smoke Point, mm	IS 1448: P 31
172	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Oil Kerosene), Kerosene & its varaint(PCK)	Distillation- Temperature at 10% recovery	ASTM D86 Manual Method)
173	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil) , Kerosene & its variant (PCK)	Distillation- Temperature at 50 % recovery	IS 1448 (P:18) (Manual Method)
174	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil) , Kerosene & its variant (PCK)	Distillation- Temperature at 90% recovery	IS 1448 (P:18) (Automatic Method)
175	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant	Distillation- % recovered below 200 oC, % v/v	ASTM D86 (Manual Method)
176	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant (PCK)	Distillation- % recovered below 200 oC, % v/v	ASTM D86 Automatic Method)
177	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant (PCK)	Distillation- % recovered below 200 oC, % v/v	IS 1448 (P:18) (Manual Method)
178	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant (PCK)	Distillation- FBP, oC	IS 1448 (P:18) (Automatic Method)
179	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant (PCK)	Distillation- FBP, oC	IS 1448 (P:18) (Manual Method)
180	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant (PCK)	Distillation- Residue (%v/v)	ASTM D86 (Manual Method)
181	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variant (PCK)	Flash Point, PMCC, Degree C	IS 1448 (P:21)
182	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- % recovered below 200 oC, % v/v	IS 1448 (P:18) (Automatic Method)
183	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- FBP, oC	ASTM D86 (Automatic Method)
184	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Loss (%v/v)	ASTM D86 (Automatic Method)
185	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Loss(%v/v)	ASTM D86 (Manual Method)
186	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Loss(%v/v)	IS 1448 (P:18) (Automatic Method)
187	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Loss(%v/v)	IS 1448 (P:18) (Manual Method)

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188	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Residue (%v/v)	ASTM D86 (Automatic Method)
189	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & Its variant(PCK)	Distillation- Residue (%v/v)	IS 1448 (P:18) (Manual Method)
190	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Temperature at 50% recovery	ASTM D 86 (Automatic method)
191	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Temperature at 90 % recovery	ASTM D86 (automatic Method)
192	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Temperature at 90% recovery	IS 1448 (P:18) (Manual Method)
193	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Temperature, oC	ASTM D86 (Automatic Method)
194	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Temperature, oC	IS 1448 (P:18) (Automatic Method)
195	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Temperature, oC	IS 1448 (P:18) (Manual Method)
196	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Volume (%v/v) recovery at Temperature oC	ASTM D86 (Manual Method)
197	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Volume (%v/v) recovery at Temperature oC	IS 14448(P:18) (Automatic Method)
198	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variant(PCK)	Distillation- Volume (%v/v) recovery at Temperature oC	IS 1448 (P:18) (Manual Method)
199	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants	Water Content	ISO 12937
200	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variants (PCK)	Distillation- IBP, oC	ASTM D86 (Manual Method)
201	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants (PCK)	Distillation- IBP, oC	ASTM D86 (Automatic Method)
202	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variants (PCK)	Distillation- Temperature at 50 % recovery	IS 1448 (P:18) (Automatic Method): 2020
203	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variants (PCK)	Flash Point , Abel, Degree C	ISO 13736
204	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variants (PCK)	Smoke Point, mm	ASTM D1322
205	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants (PCK)	Water Content	ASTM D6304
206	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants PCK	Total Acidity	ASTM D664

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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
207	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants(PCK)	Density @ 15 Degree C (By Hydrometer method)	IP 160
208	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its Variants(PCK)	Density @ 15 Degree C (By Hydrometer method)	ISO3675
209	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil), Kerosene & its variants(PCK)	Flash Point, PMCC, Degree C	ISO 2719
210	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Kerosene Oil),, Kerosene & its variant (PCK)	Distillation- Temperature, oC	ASTM D86 (Manual Method)
211	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Oil Kerosene), Kerosene & its variant (PCK)	Distillation- FBP, oC	ASTM D86 (Manual Method)
212	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Oil Kerosene), Kerosene & its variant (PCK)	Distillation- Temperature at 10% recovery	IS 1448 (P:18) (Automatic Method)
213	CHEMICAL- PETROLEUM AND PRODUCTS	SKO (Superior Oil Kerosene), Kerosene & its variant (PCK)	Distillation- Temperature at 50 % recovery	ASTM D86 (Manual Method)
214	CHEMICAL- PETROLEUM AND PRODUCTS	SKO(Superior Oil Kerosene), Kerosene & its variants (PCK)	Distillation- Temperature at 10% recovery	ASTM D 86 (Automatic Method)