National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARAT PETROLEUM CORPORATION LTD, QA LABORATORY, BUDGE BUDGE INSTALLATION, KOLKATA, 24 PARAGANAS SOUTH, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 1 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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- INDUSTRIAL & FINE CHEMICALS	Adblue	Phosphate	ISO 22241-2 Annex H
2	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Aldehydes (mg/kg)	ISO 22241-2 Annex F
3	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Alkalinity as NH3 % (m/m)	ISO 22241-2 Annex D
4	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Aluminium	ISO 22241-2 Annex I
5	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Biuret	ISO 22241-2 Annex E
6	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Calcium	ISO 22241-2 Annex I
7	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Chromium	ISO 22241-2 Annex I
8	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Copper	ISO 22241-2 Annex I
9	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Density @ 20°C	ISO 3675
10	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Insoluble matter	ISO 22241-2 Annex G
11	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Iron	ISO 22241-2 Annex I
12	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Magnesium	ISO 22241-2 Annex I
13	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Nickel	ISO 22241-2 Annex I
14	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Potassium	ISO 22241-2 Annex I
15	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Refractive index @ 20 ºC	ISO 22241-2 Annex C
16	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Sodium	ISO 22241-2 Annex I
17	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Urea Content	ISO 22241-2 Annex C
18	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Adblue	Zinc	ISO 22241-2 Annex I

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 2 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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19	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethanol	Acidity (as CH3COOH)	Annexure D of IS 15464
20	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethanol	Aldehyde content (as CH3CHO)	Annexure F of IS 15464
21	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethanol	Alkalinity	Annexure D of IS 15464
22	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethanol	Appearance	Visual SOP 09 Issue No 3 Dt. 01.10.2019: 2019
23	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethanol	Colour Visual	SOP 11 Issue No 3 Dt. 01.10.2019: 2019
24	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethanol	Ethanol content % by Volume at 15.6/15.6°C	Annexure B of IS 15464
25	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethanol	Miscibility with water	Annexure C of IS 15464
26	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethanol	Relative Density / Specific Gravity at 15.6/15.6°C	Annexure A IS No 15464
27	CHEMICAL- LUBRICANTS	Lubricating grease	Colour Visual	SOP 11 Issue No 3 Dt. 01.10.2019
28	CHEMICAL- LUBRICANTS	Lubricating Grease	Consistency of Lubricating Grease @ 25 ± 0.5 ° C, 60 Strokes	ASTM D 217
29	CHEMICAL- LUBRICANTS	Lubricating Grease	Consistency of lubricating Grease @ 25 ± 0.5 °C, 60 Strokes	IS 1448 P:60
30	CHEMICAL- LUBRICANTS	Lubricating Grease	Drop Point	ASTM D 566
31	CHEMICAL- LUBRICANTS	Lubricating Grease	Drop Point	IS 1448 P:52
32	CHEMICAL- LUBRICANTS	Lubricating Grease	Drop Point over wide temperature range	ASTM D 2265
33	CHEMICAL- LUBRICANTS	Lubricating greases	Appearance	SOP 09 ISSUE No. 3
34	CHEMICAL- LUBRICANTS	Lubricating oil	Colour ASTM	ASTM D 1500
35	CHEMICAL- LUBRICANTS	Lubricating Oil	Additive element P	ASTM D 7751
36	CHEMICAL- LUBRICANTS	Lubricating oil	Additive element Zn	ASTM D 7751
37	CHEMICAL- LUBRICANTS	Lubricating Oil	Additive Elements Ca	ASTM D 7751
38	CHEMICAL- LUBRICANTS	Lubricating oil	Appearance	Visual SOP 09 Issue No 3 Dt. 01.10.2019
39	CHEMICAL- LUBRICANTS	Lubricating oil	Colour ASTM	ASTM D 1500

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 3 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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40	CHEMICAL- LUBRICANTS	Lubricating Oil	Colour ASTM	IS 1448 P:12
41	CHEMICAL- LUBRICANTS	Lubricating Oil	Colour ASTM	P:12
42	CHEMICAL- LUBRICANTS	Lubricating oil	Colour Visual	SOP 11 ISSUE No. 3, Date 01-10-2019
43	CHEMICAL- LUBRICANTS	Lubricating Oil	Crackle test	Visual SOP 10 Issue No 3 Dt. 01.10.2019
44	CHEMICAL- LUBRICANTS	Lubricating oil	Cu Strip Corrosion for 3 Hrs @ 100 °C	ASTM D 130
45	CHEMICAL- LUBRICANTS	Lubricating Oil	Cu Strip Corrosion for 3 Hrs @ 100 °C	IS 1448 P:15
46	CHEMICAL- LUBRICANTS	Lubricating Oil	Density	ASTM D4052 - 18a
47	CHEMICAL- LUBRICANTS	Lubricating oil	Density	ASTM D 1298
48	CHEMICAL- LUBRICANTS	Lubricating oil	Density	IS 1448 P:16
49	CHEMICAL- LUBRICANTS	Lubricating Oil	Emulsion Characteristics, minutes	ASTM D 1401
50	CHEMICAL- LUBRICANTS	Lubricating Oil	Emulsion Characteristics, minutes	ASTM D 1401:2019
51	CHEMICAL- LUBRICANTS	Lubricating Oil	Emulsion Stability test	IS 1448 P:98
52	CHEMICAL- LUBRICANTS	Lubricating oil	Flash Point (COC)	ASTM D 92
53	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point (COC)	IS 1448 P:69
54	CHEMICAL- LUBRICANTS	Lubricating oil	Flash Point (PMCC)	ASTM D 93
55	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point (PMCC)	IS 1448 P:21
56	CHEMICAL- LUBRICANTS	Lubricating Oil	Frothing test	IS 1448 P:99
57	CHEMICAL- LUBRICANTS	Lubricating Oil	Frothing test	IS 1448 P:99
58	CHEMICAL- LUBRICANTS	Lubricating oil	Kinematic Viscosity @ 100 °C	ASTM D 445
59	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 100 °C	ASTM D 7042
60	CHEMICAL- LUBRICANTS	Lubricating oil	Kinematic Viscosity @ 100 °C	IS 1448 P:25
61	CHEMICAL- LUBRICANTS	Lubricating oil	Kinematic Viscosity @ 40 °C	ASTM D 445
62	CHEMICAL- LUBRICANTS	Lubricating oil	Kinematic Viscosity @ 40 °C	ASTM D 7042
63	CHEMICAL- LUBRICANTS	Lubricating oil	Kinematic Viscosity @ 40 °C	IS 1448 P:25
64	CHEMICAL- LUBRICANTS	Lubricating oil	Pour Point	ASTM D 5949
65	CHEMICAL- LUBRICANTS	Lubricating oil	Pour Point	ASTM D 97
66	CHEMICAL- LUBRICANTS	Lubricating oil	Pour Point	IS 1448 P:10

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 4 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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67	CHEMICAL- LUBRICANTS	Lubricating oil	Total Acid Number (TAN)	ASTM D 664
68	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Acid Number (TAN)	IS 1448 P:1
69	CHEMICAL- LUBRICANTS	Lubricating oil	Total Base Number (TBN)	ASTM D 2896
70	CHEMICAL- LUBRICANTS	Lubricating oil	Total Base Number (TBN)	IS 1448 P:86
71	CHEMICAL- LUBRICANTS	Lubricating oil	Viscosity Index	ASTM D 2270
72	CHEMICAL- LUBRICANTS	Lubricating oil	Viscosity Index	IS 1448 P:56
73	CHEMICAL- LUBRICANTS	Lubricating oil	Water content	ASTM D 95
74	CHEMICAL- LUBRICANTS	Lubricating oil	Water Content	IS 1448 P:40
75	CHEMICAL- LUBRICANTS	Lubricating Oil	API Density of Liquids	ASTM D4052 - 18a
76	CHEMICAL- LUBRICANTS	Lubricating Oil	Relative Density	ASTM D4052 - 18a
77	CHEMICAL- LUBRICANTS	Transformer Oil	Appearance	Visual SOP 09 Issue No 3 Dt. 01.10.2019
78	CHEMICAL- LUBRICANTS	Transformer Oil	Breakdown Voltage	IS : 6792
79	CHEMICAL- LUBRICANTS	Transformer Oil	Dielectric Dissipation Factor (tan d) at 90°C	IS : 16086
80	CHEMICAL- LUBRICANTS	Transformer Oil	Flash Point	IS:1448(P-21)
81	CHEMICAL- LUBRICANTS	Transformer Oil	Interfacial Tension	ASTM : D971
82	CHEMICAL- LUBRICANTS	Transformer Oil	Kinematic Viscosity at 40°C, mm2/s	IS : 1448 (P-25)
83	CHEMICAL- LUBRICANTS	Transformer Oil	Pour Point	IS:1448(P-10)
84	CHEMICAL- LUBRICANTS	Transformer Oil	Total Sulphur content	ASTM D 4294
85	CHEMICAL- LUBRICANTS	Transformer Oil	Water Content	IEC : 60814
86	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Appearance	Visual SOP 09 Issue No 3 Dt. 01.10.2019
87	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Aromatics	ASTM D 1319
88	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Aromatics	IS 1448 P:23
89	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Colour Saybolt	ASTM D 156
90	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Colour Saybolt	IS 1448 P:14
91	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Copper Strip Corrosion @ 100 °C for 2 Hrs.	ASTM D 130

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 5 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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
92	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Cu Strip Corrosion @ 100 °C for 2 Hrs.	IS 1448 P:15
93	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Density	ASTM D4052 - 18a
94	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Density	ASTM D 1298
95	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Density	IS 1448 P:16
96	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation	ASTM D 86
97	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation	ASTM D 86
98	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation	IS 1448 P:18
99	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation (10 Percent Recovery ° C, v/v Max)	IS 1448 P:18
100	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation (10 Percent Recovery ° C, v/v)	ASTM D 86
101	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation (Final Boiling Point, ° C, Max)	ASTM D 86
102	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Distillation (Final Boiling Point, ° C, Max)	IS 1448 P: 18
103	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Doctor Test	ASTM D 4952
104	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Doctor Test	IS 1448 P:19
105	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Electrical Conductivity	IP 274
106	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Electrical Conductivity	ISO 6297
107	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Existent Gum	ASTM D 381
108	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Existent Gum	IS 1448 P:29
109	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Flash Point (Abel)	IP 170
110	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Flash Point (Abel)	IS 1448 P:20

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 6 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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111	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Freezing Point	ASTM D 2386
112	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Freezing Point	ASTM D 5972
113	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Freezing Point	IS 1448 P:11
114	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation turbine Fuel (ATF)	Kinematic Viscosity @ -20 °C	ASTM D 445
115	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Kinematic Viscosity at -20 °C	IS 1448 P:25
116	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Napthalene	ASTM D 1840
117	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Napthalene	IS 1448 P:118
118	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Silver Strip Corrosion @ 50 °C for 4 Hrs.	Annex B IS 1571
119	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Smoke Point	ASTM D 1322
120	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Smoke Point	IP 598
121	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Smoke Point	IS 1448 P:31
122	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Specific Energy	ASTM D3338/D3338M
123	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Sulphur Mercaptan,%mass	IS 1448 : Part 109
124	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Total Acidity	ASTM D 3242
125	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Total Acidity	IS 1448 P:113
126	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Total Sulphur	ASTM D 4294
127	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Total Sulphur	ASTM D 5453
128	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water Reaction (Interface rating)	IS 1448 P:42
129	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Water reaction (Interface ratings)	ASTM D 1094

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 7 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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130	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	API Density of Liquids	ASTM D4052 - 18a
131	CHEMICAL- PETROLEUM AND PRODUCTS	Aviation Turbine Fuel (ATF)	Relative Density	ASTM D4052 - 18a:
132	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Appearance	Visual SOP Issue No. 3 Dt. 01.10.2019
133	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Colour Visual	Visual SOP 11 Issue No 3 Dt. 01.10.2019
134	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Condarson Carbon Residue	IS:1448(P:122)
135	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Density	ASTM D 1298
136	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Density	IS 1448 P:16
137	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace oil	Flash Point (PMCC)	ASTM D 93
138	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Flash Point (PMCC)	IS 1448 P:21
139	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace oil	Kinematic Viscosity @ 50 °C	ASTM D 445
140	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Kinematic Viscosity @ 50 °C	IS 1448 P:25
141	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace oil	Pour point	ASTM D 97
142	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Pour Point	IS 1448 P:10
143	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Sediments	IS 1448 P:30
144	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil	Total Sulphur	ASTM D 4294
145	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace oil	Water content	ASTM D 95
146	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace oil	Water Content	IS 1448 P:40
147	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil (FO)	ASH CONTENT	IS 1448 P : 4
148	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane (Food Grade)	Appearance	Visual SOP 09 Issue No 3

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 8 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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149	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane (Food Grade)	Colour Saybolt	IS 1448 (P-14)
150	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane (Food Grade)	Density at 20 deg C	IS 1448 P:16
151	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane (Food Grade)	Distillation, Distilled between 64-70 °C	ASTM D 86
152	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane (Food Grade)	Distillation, IBP	ASTM D 86
153	CHEMICAL- PETROLEUM AND PRODUCTS	Hexane (Food Grade)	Polycyclic aromatic hydrocarbons (PAH)	IS 3470
154	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Flash Point (PMCC)	ASTM D 93
155	CHEMICAL- PETROLEUM AND PRODUCTS	High Flash High Speed Diesel (HFHSD)	Flash Point (PMCC)	IS 1448 P:21
156	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Flash Point (Abel)	IP 170
157	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Flash Point (Abel)	IS 1448 P:20
158	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Pour Point	ASTM D 97
159	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Pour Point	IS 1448 P:10
160	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Appearance	SOP 09 Issue No 3 Dt. 01.10.2019
161	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Cetane index	ASTM D 4737
162	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Colour Visual	SOP 11 Issue No3 Dt. 01.10.2019
163	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Cu Strip Corrosion fo 3 Hrs. @ 50 °C	IS:1448 P:15
164	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Density	ASTM D4052 - 18a
165	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Density	ASTM D 1298
166	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Density	IS 1448 P:16
167	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Distillation 95 Percent v/v, recovery, ° C, Max	ASTM D 86:

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 9 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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168	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Distillation 95 Percent v/v, recovery, ° C, Max	ASTM D 86:
169	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Distillation 95 Percent v/v, recovery, ° C, Max	IS 1448 P:18
170	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Distillation 95 Percent v/v, recovery, ° C, Max	IS 1448 P:18
171	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Kinematic Viscosity @ 40 °C	ASTM D 445
172	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Kinematic Viscosity @ 40 °C	ASTM D 7042
173	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Kinematic Viscosity @ 40 °C	IS 1448 P:25
174	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Pour Point	ASTM D 5949
175	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HFHSD)	Sulphur	ASTM D 4294
176	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/High Flash High Speed Diesel (HFHSD)	Distillation	ASTM D 7345
177	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/High Flash High Speed Diesel (HFHSD)	Distillation	ASTM D 7345
178	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/High Flash High Speed DIesel (HFHSD)	Sulphur	ASTM D 5453
179	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HF HSD)	API density of Liquids	ASTM D4052 - 18a
180	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)/ High Flash High Speed Diesel (HF HSD)	Relative Density	ASTM D4052 - 18a
181	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	API density of Liquids	ASTM D4052 - 18a
182	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Appearance	Visual SOP 09 Issue No 3 Dt. 01.10.2019
183	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour Saybolt	ASTM D 156
184	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour Saybolt	IS 1448 P:14
185	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Colour Visual	Visual SOP 11 Issue No 3 Dt. 01.10.2019
186	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Cu Strip Corrosion for 3 Hrs. @ 50 °C	ASTM D 130

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 10 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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
187	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Cu Strip Corrosion for 3 Hrs. @ 50 °C	IS 1448 P:15
188	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density	ASTM D4052 - 18a
189	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density	ASTM D 1298
190	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Density	IS 1448 P:16
191	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Final Boiling Point ° C Max	ASTM D 86
192	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Final Boiling Point ° C Max	IS 1448 P:18
193	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Percent recovered below 200 ° C, Percent v/v, Min	ASTM D 86
194	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	DIstillation Percent recovered below 200 ° C, Percent v/v, Min	ASTM D 86
195	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Percent recovered below 200 ° C, Percent v/v, Min	IS 1448 P:18
196	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Distillation Percent recovered below 200 ° C, Percent v/v, Min	IS 1448 P:18
197	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IP 170
198	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Flash Point (Abel)	IS 1448 P:20
199	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Relative Density	ASTM D4052 - 18
200	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	ASTM D 1322
201	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IP 598
202	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	IS 1448 P:31
203	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D 4294
204	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Total Sulphur	ASTM D 5453
205	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Appearance	Visual SOP 09 issue No 3 Dt. 01.10.2019

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 11 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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206	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Ash Content	IS 1448 P:4
207	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Colour Visual	SOP 11 Issue No 3 Dt. 01.10.2019
208	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Density	ASTM D 1298
209	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Density	IS 1448 P:16
210	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Flash Point (PMCC)	ASTM D 93
211	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Flash Point (PMCC)	IS 1448 P:21
212	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Kinematic Viscosity @ 40 °C	ASTM D 445
213	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Kinematic Viscosity @ 40 °C	ASTM D 7042
214	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Kinematic Viscosity @ 40 °C	IS1448 P:25
215	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Pour Point	ASTM D 97
216	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Pour Point	IS 1448 P:10
217	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Sediments	ASTM D 473
218	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Sediments	IS 1448 P:30
219	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Total Sulphur	ASTM D 4294
220	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Total Sulphur	ISO 20847
221	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Water Content	ASTM D 95
222	CHEMICAL- PETROLEUM AND PRODUCTS	Light Diesel Oil	Water content	IS 1448 P:40
223	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur Heavy Stock (LSHS)	Acidity Inorganic	IS 1448 P : 2
224	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur Heavy Stock (LSHS)	Ash	IS 1448 P : 4 2021

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 12 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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
225	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur Heavy Stock (LSHS)	Flash Point (PMCC)	IS 1448 P : 21 : 2019 (4th Revision)
226	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur Heavy Stock (LSHS)	Gross, Calorific Value	IS 1448 P : 7 : 2004 Re-affirmed Yr. 2016
227	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur Heavy Stock (LSHS)	Kinematic Viscosity at 100°C	IS 1448 P : 25 : Section 1: 2018
228	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur Heavy Stock (LSHS)	Kinematic Viscosity at 50°C	IS 1448 P : 25 : Section 1; 2018
229	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur Heavy Stock (LSHS)	Pour Point, °C, Max	IS 1448 P : 10 : 2021 Section 2
230	CHEMICAL- PETROLEUM AND PRODUCTS	Low Sulphur Heavy Stock (LSHS)	Sulphur Total	ASTM D 4294
231	CHEMICAL- PETROLEUM AND PRODUCTS	MINERAL TURPENTINE OIL (MTO)	Aromatics	ASTM D 1319
232	CHEMICAL- PETROLEUM AND PRODUCTS	MINERAL TURPENTINE OIL (MTO)	Aromatics	IS 1448 P:23
233	CHEMICAL- PETROLEUM AND PRODUCTS	MINERAL TURPENTINE OIL (MTO)	Density	IS 1448 P:16
234	CHEMICAL- PETROLEUM AND PRODUCTS	MINERAL TURPENTINE OIL (MTO)	Distillation (FBP)	ASTM D 86
235	CHEMICAL- PETROLEUM AND PRODUCTS	MINERAL TURPENTINE OIL (MTO)	Distillation, IBP	ASTM D 86
236	CHEMICAL- PETROLEUM AND PRODUCTS	MINERAL TURPENTINE OIL (MTO)	Distillation, Temperature at 50 % Recovery	ASTM D 86
237	CHEMICAL- PETROLEUM AND PRODUCTS	MINERAL TURPENTINE OIL (MTO)	Distillation, Temperature at 90 % Recovery	ASTM D 86
238	CHEMICAL- PETROLEUM AND PRODUCTS	MINERAL TURPENTINE OIL (MTO)	Flash Point (Abel)	IP 170
239	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Appearance	SOP 09 Issue No 3 Dt. 01.10.2019
240	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Aromatics	ASTM D 1319
241	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Aromatics	IS 1448 P:23
242	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Colour Visual	SOP 11 Issue No. 3 Dt. 01.10.2019
243	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Cu Strip Corrosion for 3 Hrs. @ 50 °C	IS 1448 P:15

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 13 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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244	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Density	ASTM D4052 - 18a
245	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Density	ASTM D 1298
246	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Density	IS 1448 P:16
247	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	DIstillation Percent Evaporated at 100 ° C, (E 100 ° C), Percent v/v	ASTM D 86
248	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 100 ° C, (E 100 ° C), Percent v/v	IS 1448 P:18
249	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 150 ° C, (E 150 ° C), Percent v/v	ASTM D 86
250	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Final Boiling Point ° C Max	ASTM D 86
251	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Final Boiling Point ° C Max	IS:1448 P:18
252	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 150 ° C, (E 150 ° C), Percent v/v	IS 1448 P:18
253	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 70 ° C, (E 70 ° C), Percent v/v	ASTM D 86
254	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 70 ° C, (E 70 ° C), Percent v/v	IS 1448 P:18
255	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Ethanol content	IS 2796 Annex C
256	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Existent Gum (Solvent washed)	ASTM D 381
257	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Existent Gum (Solvent Washed)	IS 1448 P:29
258	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Olefins Content	ASTM D 1319
259	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Olefins Content	IS:1448 P:23
260	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Research Octane No (RON)	ASTM D 2699

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 14 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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261	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Research Octane No (RON)	IS:1448 P:27
262	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Sulphur	ASTM D:5453
263	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Sulphur	ISO 20847
264	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	API Density of Liquids	ASTM D4052 - 18a
265	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Relative Density	ASTM D4052 - 18a

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 15 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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
Mobile Facility				
1	CHEMICAL- LUBRICANTS	Lubricating oil	Additive Element Ca	ASTM D 6481
2	CHEMICAL- LUBRICANTS	Lubricating Oil	Additive Element Ca	ASTM D 7751
3	CHEMICAL- LUBRICANTS	Lubricating Oil	Additive Element P	ASTM D 7751
4	CHEMICAL- LUBRICANTS	Lubricating Oil	Additive Element Zn	ASTM D 7751
5	CHEMICAL- LUBRICANTS	Lubricating Oil	Appearance	Visual SOP 9 Issue No 3 Dt. 01.10.2019
6	CHEMICAL- LUBRICANTS	Lubricating Oil	Colour Visual	Visual SOP 11 Issue No 3 Dt. 01.10.2019
7	CHEMICAL- LUBRICANTS	Lubricating Oil	Crackle Test	Visual SOP 10 Issue No 3 Dt. 01.10.2019
8	CHEMICAL- LUBRICANTS	Lubricating oil	Density	ASTM D 1298
9	CHEMICAL- LUBRICANTS	Lubricating Oil	Density	IS 1448 P:16
10	CHEMICAL- LUBRICANTS	Lubricating oil	Flash Point (COC)	ASTM D 92
11	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point (COC)	IS 1448 P:69
12	CHEMICAL- LUBRICANTS	Lubricating oil	Kinematic Viscosity @ 100 °C	ASTM D 445
13	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 100 °C	ASTM D 7042
14	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 100 °C	IS 1448 P:25
15	CHEMICAL- LUBRICANTS	Lubricating oil	Kinematic Viscosity @ 40 °C	ASTM D 445
16	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 40 °C	ASTM D 7042
17	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity @ 40 °C	IS 1448 P:25
18	CHEMICAL- LUBRICANTS	Lubricating oil	Viscosity Index	ASTM D 2270
19	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity Index	IS 1448 P:56
20	CHEMICAL- LUBRICANTS	Lubricating oil	Water content	ASTM D 95
21	CHEMICAL- LUBRICANTS	Lubricating Oil	Water Content	IS 1448 P:40
22	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Appearance	Visual SOP 09 Issue No 3 Dt. 01.10.2019
23	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Colour Visual	Visual SOP 11 Issue No 3 Dt. 01.10.2019
24	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Density	ASTM D 1298
25	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Density	IS 1448 P:16

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 16 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
26	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation 95 Percent v/v, recovery, ° C, Max	ASTM D 86
27	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation 95 Percent v/v, recovery, ° C, Max	ASTM D 86
28	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation 95 Percent v/v, recovery, ° C, Max	IS 1448 P:18
29	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Distillation 95 Percent, v/v, recovery, ° C, Max	IS 1448 P:18
30	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Kinematic Viscosity & 40 °C	ASTM D 445
31	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Kinematic Viscosity @ 40 °C	ASTM D 7042
32	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Kinematic Viscosity @ 40 °C	IS 1448 P:25
33	CHEMICAL- PETROLEUM AND PRODUCTS	High Speed Diesel (HSD)	Total Sulphur	ISO 13032
34	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Density	IS:1448 P-16
35	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Appearance	Visual SOP 09 Issue No 3 Dt. 01.10.2019
36	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Colour Visual	Visual SOP 11 Issue No 3 Dt. 01.10.2019
37	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Density	ASTM D 1298
38	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 100 ° C, (E 100 ° C), Percent v/v	ASTM D 86
39	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Final Boiling Point ° C Max	ASTM D86:2018
40	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Final Boiling Point ° C Max	IS 1448 P:18
41	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 100 ° C, (E 100 ° C), Percent v/v	IS 1448 P:18
42	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 150 ° C, (E 150 ° C), Percent v/v	ASTM D 86

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7051 **Page No** 17 of 17

Validity 10/01/2023 to 09/01/2025 **Last Amended on** -

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43	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 150 ° C, (E 150 ° C), Percent v/v	IS 1448 P:18
44	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 70 ° C, (E 70 ° C), Percent v/v	ASTM D 86
45	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Distillation Percent Evaporated at 70 ° C, (E 70 ° C), Percent v/v	IS 1448 P:18
46	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Spirit	Total Sulphur	ISO 13032