National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRICAL TESTING AND CALIBRATION LABORATORY, A-7, PRIME INDUSTRIAL ESTATE, BEHIND GURUKRUPA FARM, MANJUSAR, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 26/09/2021 to 25/09/2023 **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	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electric grade paper	Water/Moisture Content test	IEC 60814
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical grade paper	Water/Moisture content test	IS 13567
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Acidity test	IEC 60296
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Acidity test	IEC 60422
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Acidity test	IEC 61099
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Acidity test	IEC 61203
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Acidity test	IEC 62021-2
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Acidity test	IS 16081
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Acidity test	IS 16099
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Acidity test	IS 1866
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Appearance	IEC 60296
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Appearance	IEC 60422
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Appearance	IEC 62770

SCOPE OF ACCREDITATION

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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
14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Appearance	IS 16659
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Appearance	IS 1866
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Appearance	IS 335
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Appearance	ISO 2049
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IEC 60156
19	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IEC 60296
20	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IEC 60422
21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IEC 61099
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IEC 61203
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IEC 62770
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IS 16081
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IS 16099
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IS 16659
27	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IS 1866

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRICAL TESTING AND CALIBRATION LABORATORY, A-7, PRIME INDUSTRIAL ESTATE, BEHIND GURUKRUPA FARM, MANJUSAR, VADODARA, GUJARAT, INDIA

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28	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV test	IS 335
29	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	BDV TEST	IS 6792
30	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Color	ASTM D 1500
31	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Corrosive Sulphur test	ASTM D 1275
32	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Corrosive Sulphur test	DIN 51353
33	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Corrosive Sulphur test	IEC 60296
34	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Corrosive Sulphur test	IEC 60422
35	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Corrosive Sulphur test	IEC 62770
36	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Corrosive Sulphur test	IS 16659
37	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Corrosive Sulphur test	IS 1866
38	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Corrosive Sulphur test	IS 335
39	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IEC 62770
40	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IEC 60296
41	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IEC 60422

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Laboratory Name : ELECTRICAL TESTING AND CALIBRATION LABORATORY, A-7, PRIME INDUSTRIAL ESTATE, BEHIND GURUKRUPA FARM, MANJUSAR, VADODARA, GUJARAT, INDIA

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42	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IEC 61099
43	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IEC 61203
44	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IS 1448 (Part 16)
45	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IS 16081
46	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IS 16099
47	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IS 16659
48	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	IS 1866
49	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density Test	IS 335
50	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Density test	ISO 3675
51	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis H2	IS 10593
52	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis O2	IS 10593
53	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H2	ASTM D 3612
54	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H2	IEC 60567
55	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H2	IEC 60599

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Laboratory Name : ELECTRICAL TESTING AND CALIBRATION LABORATORY, A-7, PRIME INDUSTRIAL ESTATE, BEHIND GURUKRUPA FARM, MANJUSAR, VADODARA, GUJARAT, INDIA

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56	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H2	IS 10593
57	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H2	IS 9434
58	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H4	ASTM D 3612
59	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H4	IEC 60567
60	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H4	IEC 60599
61	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H4	IS 10593
62	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H4	IS 9434
63	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H6	ASTM D 3612
64	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H6	IEC 60567
65	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H6	IEC 60599
66	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H6	IS 10593
67	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C2H6	IS 9434
68	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C3H6 +C3H8	IS 9434
69	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C3H6+C3H8	ASTM D 3612

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70	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C3H6+C3H8	IEC 60567
71	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C3H6+C3H8	IEC 60599
72	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test C3H6+C3H8	IS 10593
73	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CH4	ASTM D 3612
74	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CH4	IEC 60567
75	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CH4	IEC 60599
76	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CH4	IS 10593
77	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CH4	IS 9434
78	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO	ASTM D 3612
79	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO	IEC 60567
80	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO	IEC 60599
81	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO	IS 10593
82	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO	IS 9434
83	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO2	ASTM D 3612

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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
84	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO2	IEC 60567
85	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO2	IEC 60599
86	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO2	IS 10593
87	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test CO2	IS 9434
88	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test H2	ASTM D 3612
89	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test H2	IEC 60567
90	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test H2	IEC 60599
91	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test H2	IS 9434
92	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test N2	ASTM D 3612
93	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test N2	IEC 60567
94	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test N2	IEC 60599
95	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test N2	IS 10593
96	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test N2	IS 9434
97	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test O2	ASTM D 3612

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98	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test O2	IEC 60567
99	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test O2	IEC 60599
100	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas analysis test O2	IS 9434
101	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IEC 60296
102	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IEC 60422
103	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IEC 61099
104	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IEC 61203
105	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IEC 62770
106	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IS 1448 (Part 21)
107	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IS 16081
108	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IS 16099
109	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IS 16659
110	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IS 1866
111	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	IS 335

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112	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point test	ISO 2719
113	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Interfacial Tensioin test	ASTM D 971
114	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Interfacial Tension	IS 335
115	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Interfacial Tension test	IEC 60296
116	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Interfacial Tension test	IEC 60422
117	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Interfacial Tension test	IS 1866
118	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Interfacial Tension test	IS 6104
119	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity test	IEC 60247
120	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity test	IEC 60422
121	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity test	IEC 61099
122	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity test	IEC 61203
123	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity test	IS 16081
124	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity test	IS 16099
125	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity test	IS 1866

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126	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity test	IS 335
127	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Resistivity test	IS 6103
128	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Sludge test	IS 1866
129	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IEC 60247
130	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IEC 60296
131	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IEC 60422
132	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IEC 61099
133	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IEC 61203
134	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IEC 62770
135	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IS 16081
136	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IS 16086
137	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IS 16099
138	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IS 16659
139	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IS 1866

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140	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IS 335
141	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Tan Delta Test	IS 6262
142	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IEC 60296
143	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IEC 60422
144	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IEC 61099
145	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IEC 61203
146	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IEC 62770
147	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IS 1448 (Part 25)
148	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IS 16081
149	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IS 16084
150	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IS 16099
151	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IS 16659
152	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IS 1866
153	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	IS 335

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Laboratory Name : ELECTRICAL TESTING AND CALIBRATION LABORATORY, A-7, PRIME INDUSTRIAL ESTATE, BEHIND GURUKRUPA FARM, MANJUSAR, VADODARA, GUJARAT, INDIA

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154	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	ISO 3104
155	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Viscosity test	ISO 3105
156	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IEC 60296
157	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IEC 60422
158	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IEC 60814
159	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IEC 61099
160	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IEC 61203
161	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IEC 62770
162	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IS 13567
163	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IS 16081
164	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IS 16099
165	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IS 16659
166	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IS 1866
167	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content Test	IS 335