National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BITUMINOUS BINDERS QUALITY LABORATORY , BITCOL ELRICH BITUMINOUS SYSTEMS PRIVATE LIMITED, PLOT NO C-21, SIPCOT INDUSTRIAL COMPLEX, NILAKKOTTAI, DINDIGUL, TAMIL NADU, INDIA

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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	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in trichloroethylene % Min.	AASHTO T44
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to Mixing with Cement %	AASHTO T59
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage stability after 24 hours, % Max.	AASTHO T59
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on residue, Ductility at 25 Deg.C.cm. min.	AASHTO T 51
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Tests on Residue Penetration at 25 Deg. C, 100 g. 5 sec. 0.1 mm.	AASHTO T49
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity at 25/50 Deg. C by Sybolt Furol Viscometer	AASTHO T72
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coagulation of Emulsion at low temperature	IS 8887 Annex C
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability & Water Resistance	AASHTO T59
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability & Water Resistance	ASTM D 6998
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability & Water Resistance	IS 8887 Annex F
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Distillation in Percent Volume of Distillate recovered at 360°C	IS 1213
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility with Water	IS 8887 Annex H
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle Charge	AASHTO T 59
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle Charge	ASTM D7402
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle Charge	IS 8887 Annex E
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Distillation	AASHTO T 59
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Distillation	ASTM D 6997
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	ASTM D 6934

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19	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	IS 8887 Annex J
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	AASHTO T59
21	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 micron IS Sieve	IS 8887 Annex B
22	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 850 Micron Sieve Test	ASTM D6933
23	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 850 Micron Sieve Test	AASHTO T 59
24	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in trichloroethylene % Min.	ASTM D2042
25	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in trichloroethylene, %, min	IS 1216
26	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to Mixing with Cement %	ASTM D6935
27	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to Mixing with Cement,%	IS 8887 Annex G
28	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability after 24 h,% Max	IS 8887 Annex D
29	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage stability after 24 hours, % Max.	ASTM D6930
30	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on residue ductility at 27 Deg.C., cm, min.	IS 1208
31	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on residue, Ductility at 25 Deg.C.cm. min.	ASTM D 113
32	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on residue, penetration at 25 Deg.C, 100 g, 5 sec., 0.1 mm.	IS 1203
33	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Tests on Residue Penetration at 25 Deg. C, 100 g. 5 sec. 0.1 mm.	ASTM D5
34	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity at 25/50 Deg. C by Sybolt Furol Viscometer	ASTM 7496
35	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity at 25°C/ 50°C by Sybolt furol Viscometer , Seconds,	IS 3117 Annex A
36	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Water Content Percent by Mass, Max	IS 1211

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37	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Viscosity at 25 Deg.C Saybolt furol Viscometer, sec.	AASHTO T 72
38	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Coating ability and water resistance	AASHTO T 59
39	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Elastic Recovery at test temperature %	AASHTO T301
40	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Residue by Evaporation	AASHTO T59
41	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Residue on 850 micron Sieve Test	AASHTO T59
42	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Softening Point (R&B) , Deg.C Min.	AASHTO T 53
43	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Stability to Mixing with cement %	AASHTO T59
44	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Storage Stability after 24 hour % Max.	AASHTO T 59
45	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Test on residue Ductility at 27 Deg. C, cm, min	AASHTO T49
46	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Tests on Residue Penetration at 25 Deg.C, 100 gms, 5 sec., 0.1 mm.	AASHTO T 49
47	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Coagulation of Emulsion at low temperature	IS 8887 Annex. C
48	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Coating ability and water resistance	ASTM D6998
49	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Elastic recovery at a test temperature %	IS 15462 Annex. A
50	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Elastic Recovery at test temperature %	ASTM D6084
51	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Miscibility with water	IS 8887 Annexure H
52	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Mixing Time, Seconds	IS 17016 Annex B
53	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Particle charge	AASHTO T 59
54	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Particle Charge	IS 8887, Annex E

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55	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Particle Size	ASTM D 7402
56	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Residue by Evaporation	ASTM D 6934
57	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Residue by Evaporation	IS 8887 Annex J
58	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Residue on 600 microns IS Sieve	IS 8887 Annex. B
59	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Residue on 850 micron Sieve Test	ASTM D6933
60	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Softening Point (R&B) , Deg.C Min.	ASTM D36
61	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Softening Point (R&B), Deg.C., Min.	IS 1205
62	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Stability to Mixing with cement %	ASTM D 6935
63	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Stability to mixing with Cement %	IS 8887 Annex. G
64	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Storage Stability after 24 hour % Max.	ASTM D 6930
65	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Storage stability after 24 hours, % Max.	IS 8887, Annex. D
66	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Test on Residue Ductility at 27 Deg. C cm. min.	IS1208
67	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Test on residue Ductility at 27 Deg. C, cm, min	ASTM D5
68	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Tests on Residue Penetration at 25 Deg.C 100g 5 sec 0.1 mm	IS 1203
69	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Tests on Residue Penetration at 25 Deg.C, 100 gms, 5 sec., 0.1 mm.	ASTM D5
70	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Viscosity at 25 Deg. C by Saybolt furol Viscometer Seconds	IS 3117 Annex A
71	MECHANICAL- BUILDINGS MATERIALS	Cationic Modified Bitumen Emulsion	Viscosity at 25 Deg.C Saybolt furol Viscometer, sec.	ASTM 7496
72	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Change in Softening Point after TFOT	AASHTO T53

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73	MECHANICAL- BUILDINGS MATERIALS	Crumb rubber modified Bitumen	DSR, Complex Modulus G* divided by Sin Delta (G*/Sin Delta)at test temperature with 1mm gap and 25 mm plate TFOT residue	AASHTO T315
74	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	DSR, Complex Modulus G* divided by Sin Delta (G*/Sin Delta)at test temperature with 1mm gap and 25 mm plate	AASHTO T315
75	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Elastic recovery at 15 Deg.C. %	AASTHO T301
76	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Elastic Recovery at test temperature after TFOT residue	AASHTO T301
77	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Flash Point *Cleveland Open Cup) DEg.C. Min.	AASHTO 148
78	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Penetration at 25 Deg.C., 100gms, 5sec.0.1 mm.	AAHTOT49
79	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Reduction in Penetration	AASHTO T49
80	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Softening Point (R&B), Deg.C. Min.	AASHTO T53
81	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Thin Film Oven Test (TFOT) (Change in Mass)	AASHTO T 179
82	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Viscosity at 150 Deg. C	AASHTO T316
83	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Change in Softening Point after TFOT	ASTM D36
84	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Change in softening point after TFOT	IS 1205
85	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	DSR, Complex Modulus G* divided by Sin Delta (G*/Sin delta) at test temperature with 1mm. gap & 25 mm. plate	IS 15462 Annex B
86	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	DSR, Complex Modulus G* divided by Sin Delta (G*/Sin Delta)at test temperature with 1mm gap and 25 mm plate	ASTM D7175

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87	MECHANICAL- BUILDINGS MATERIALS	Crumb rubber modified Bitumen	DSR, Complex Modulus G* divided by Sin Delta (G*/Sin Delta)at test temperature with 1mm gap and 25 mm plate TFOT residue	ASTM D 7175
88	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	DSR, Complex Modulus G* divided by Sin Delta (G*/Sin Delta)at test temperature with 1mm gap and 25 mm plate TFOT residue	IS 15462
89	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	DSR, Phase Angle d, at test temperature	IS 15462 Annex B
90	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Elastic recovery at 15 Deg. C, %	IS 15462, Annex. A
91	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Elastic recovery at 15 Deg.C. %	ASTM D6084
92	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Elastic Recovery at test temperature after TFOT residue	ASTM D6084
93	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Elastic recovery at the test temperature after TFOT residue	IS 15462 Annex A
94	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Flash Point (Cleveland Open Cup) Deg.C. Min.	IS 1209
95	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Flash Point *Cleveland Open Cup) DEg.C. Min.	ASTM D 92
96	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Frraas breaking point Deg.C	IS 9381
97	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Penetration at 25 Deg. C 100gms. 5 sec. 0.1 mm	IS 1203
98	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Penetration at 25 Deg.C., 100gms, 5sec.0.1 mm.	ASTM D5
99	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Reduction in Penetration	ASTM D5
100	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Reduction in Penetration	IS 1203
101	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Separation Difference in Softening Point (R &B) Deg.C	ASTM D36
102	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Separation difference in Softening Point (R&B), Deg.C	IS 15462 Annex C

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103	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Softening Point (R &B), Deg.C. Min.	IS 1205
104	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Softening Point (R&B), Deg.C. Min.	ASTM D36
105	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Thin Film Oven Test (TFOT) (Change in Mass)	ASTM D 1754
106	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Thin-film Oven Test (TFOT) (Change in Mass)	IS 9382
107	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Viscosity at 150 Deg. C	ASTM 4402
108	MECHANICAL- BUILDINGS MATERIALS	Crumb Rubber Modified Bitumen	Viscosity at 150 Deg.C. poise	IS 1206 (Part 2)
109	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Coagulation of emulsion at low temperature	IS 8887 Annex. C
110	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Ductility at 27 Deg.C , cm, min	IS 1208
111	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Elastic recovery at 25 Deg. C %	IS 15462 Annex A
112	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Particle Charge	IS 8887, Annex E
113	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Penetration at 25 Deg.C.	IS 1203
114	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Residue by Evaporation % Min.	IS 8887 Annex J
115	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Residue on 600 microns IS Sieve	IS 8887 Annex. B
116	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Softening Point (R&B), DEg.C. Min	IS 1205
117	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Solubility in trichloroethylene % Min.	IS 1216
118	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Storage stability after 24 hours % max.	IS 8887 Annex D
119	MECHANICAL- BUILDINGS MATERIALS	Modified Bitumen Emulsion for Micro-surfacing	Viscosity at 25 Deg.C by Sybolt furol Viscometer Seconds	IS 3117, Annex A
120	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Absolute Viscosity at 60 Deg. C	AASTHO T202
121	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Ductility at 25 Deg. C, Min.	AASTHO T 51

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122	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Flashpoint (Cleveland open cup) Deg. C Min.	AASTHO T48
123	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Kinematic Viscosity at 135 Deg. C, cST Min.	AASTHO T201
124	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Loss on Heating	AASTHO T179
125	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Penetration at 25 Deg. C, 100g, 5 sec., 0.1 mm.	AASTHO T49
126	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Retained Penetration at 25 Deg. C, 100 g, 5 Sec 0.1 mm	AASTHO T49
127	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Rolling Thin Film Oven Test, RTFO(Change in Mass)	AASTHO T240
128	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Rotational Viscosity at 135 Deg. C, cST Min.	AASTHO T316
129	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Softening Point (R & B), Deg. C. Min.	AASHTO T53
130	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Solubility in trichloroethylene % Min.	AASTHO T44
131	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Thin Film Oven Test, TFO (Change in Mass)	AASTHO T179
132	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Absolute Viscosity at 60 Deg. C	ASTM D2171
133	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Absolute Viscosity at 60 Deg. C	IS 1206 (Part 2)
134	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Ductility at 25 Deg. C, Min.	ASTM D 113
135	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Ductility at 25 Deg.C, cm Min.	IS 1208
136	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Flash point(Cleveland Open Cup)°C, Min	IS 1209
137	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Flashpoint (Cleveland open cup) Deg. C Min.	ASTM D92
138	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Kinematic Viscosity at 135 Deg. C, cST Min.	ASTM D2170
139	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Kinematic Viscosity at 135 Deg.C. cST Min.	IS 1206 (Part 3)
140	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Loss on Heating	ASTM D6

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141	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Penetration at 25 Deg. C, 100g, 5 sec., 0.1 mm.	ASTM D5
142	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Penetration at 25°C,100g,5s,0.1mm	IS 1203
143	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Retained Penetration at 25 Deg. C, 100 g, 5 Sec 0.1 mm	ASTM D5
144	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Rolling Thin Film Oven Test, RTFO(Change in Mass)	ASTM D2872
145	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Rotational Viscosity at 135 Deg. C, cST Min.	ASTM D4402
146	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Softening Point (R & B), Deg. C. Min.	ASTM D36
147	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Softening Point(R&B),°C, Min	IS 1205
148	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Solubility in trichloroethylene % Min.	ASTM D 2042
149	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Solubility in trichloroethylene, %, min	IS 1216
150	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Specific Gravity	ASTM D 70
151	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Specific Gravity	IS 1202
152	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Thin Film Oven Test, TFO (Change in Mass)	ASTM D1754
153	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Viscosity ratio at 60 °C, Max	IS 1206
154	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	MSCR at test temperature Jnr at 3.2 kPa	ASTM D7405
155	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	MSCR at test temperature Jnr difference	ASTM D7405
156	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR, Complex Modulus G* divided by Sin Delta (G*/Sin delta) at test temperature with 1 mm. gap & 25 mm. plate RTFO residue	AASTHO T315
157	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR, Complex Modulus G* divided by Sin delta (G8/Sin Delta) at test temperature with 1 mm. gap and 25 mm.plate	AASHTO T315

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
158	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR, Complex Modulus G* Multiplied by Sin delta (G* Sin delta) at the test temperature with 2mm gap & 8 mm plate PAV residue	AASHTO T 315
159	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Elastic recovery at test temperature after TFOT Residue	AASTHO T 301
160	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Elastic recovery at test temperature	AASTHO T301
161	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Elastic recovery at the test temperature after RTFOT residue	AASTHO T301
162	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Flash Point (Cleveland Open Cup) Deg.C. Min.	AASTHO T48
163	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	MSCR at test temperature Jnr at 3.2 kPa	AASTHO M 332
164	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	MSCR at test temperature Jnr diff	AASHTO M 332
165	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	MSCR at test temperature Jnr difference	AASTHO M332
166	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Penetration at 25°C,100g,5s,0.1mm	AASHTO T49
167	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Reduction in Penetration of residue at 25 Deg. C % Max TFOT residue	AASTHO T49
168	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Rolling thin film oven test, RTFO (change in mass)	AASHTO T240
169	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Softening Point (R&B), Deg.C	AASHTO T 53
170	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Thin Film Oven Test (TFOT) (Change in Mass)	AATHO T 179
171	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Viscosity at test temperature Pa.S max	AASTHO T316
172	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR , Phase Angle d, at test Temperature	IS 15462 Annex B
173	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR, Complex Modulus G* divided by Sin delta (G8/Sin Delta) at test temperature with 1 mm. gap and 25 mm.plate	ASTM D 7175

SCOPE OF ACCREDITATION

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174	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR, Complex Modulus G* divided by Sin Delta (G*/Sin d) at test temperature with i mm gap & 25 mm. plate	IS 15462 (Annex B)
175	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR, Complex Modulus G* divided by Sin Delta (G*/Sin delta) at test temperature with 1 mm. gap & 25 mm. plate RTFO residue	ASTM D7175
176	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR, Complex Modulus G* Multiplied by Sin delta (G* Sin delta) at the test temperature with 2mm gap & 8 mm plate PAV residue	ASTM D7175
177	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR, Complex Modulus G* Multiplied by Sin delta (G*Sin d) at test Temperature with 2mm Gap & 8 mm Plate	Annex C, IS 15462
178	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	DSR, Complex Modulus G*divided by Sin delta (G*/Sin d) at test temperature with 1mm gap & 25 mm plate RTFO Residue	IS 15462 Annex. D
179	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Elastic Recovery at 15 °C, %	Annex A, IS 15462
180	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Elastic recovery at test temperature	ASTM D 6084
181	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Elastic recovery at test temperature after TFOT Residue	ASTM D6084
182	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Elastic recovery at the test temperature after RTFOT residue	ASTM D 6084
183	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Flash Point (Cleveland Open Cup) Deg.C. Min.	ASTM D92
184	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Flash Point (Cleveland Open Cup) Deg.C. Min.	IS 1209
185	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Fraass Breaking Point	IS 9381
186	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	MSCR at test Temperature Jnr at 3.2 kPa	IS 15462 Annex D

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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
187	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	MSCR at test temperature Jnr diff	ASTM D7405
188	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	MSCR at test temperature Jnr difference	IS 15462 Annex D
189	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Penetration at 25°C,100g,5s,0.1mm	ASTM D5
190	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Penetration at 25°C,100g,5s,0.1mm	IS 1203
191	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Reduction in Penetration of residue at 25 Deg. C % Max, TFOT residue	IS 1203
192	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Reduction in Penetration of residue at 25 Deg. C % Max TFOT residue	ASTM D5
193	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Roller Thin Film Oven Test, RTFO (change in mass)	IS 15462, Annex. E
194	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Rolling thin film oven test, RTFO (change in mass)	ASTM D2872
195	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Separation difference in softening point (R&B) Deg, C.	IS 15462 Annex C
196	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Separation difference in softening point (R&B) Deg.C.	ASTM D36
197	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Separation difference: Abs. difference between G* of the top and bottom specimens, % Max	ASTM D 7173
198	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Softening Point (R&B), Deg.C	ASTM D36
199	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Softening Point (R&B), Deg.C. Min.	IS 1205
200	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Tar Viscometer (Industrial Viscosity)	IS 1206 Part 1
201	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Thin Film Oven Test (TFOT) (Change in Mass)	ASTM D 1754
202	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Thin Film Oven Test (TFOT) (Change in Mass)	IS 9382
203	MECHANICAL- BUILDINGS MATERIALS	Polymer Modified Bitumen	Viscosity at test temperature Pa.S max	ASTM 4402