National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITEX TEST HOUSE PRIVATE LIMITED, FIRST FLOOR, MATERE HOUSE, GAT NO. 62, SECTOR-14, BORADEWADI, MOSHI, PUNE, MAHARASHTRA, 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	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	pH Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
5	CHEMICAL- WATER	Water for Construction Purpose	Chloride	IS 3025 (Part 32)
6	CHEMICAL- WATER	Water for Construction Purpose	Organic Solids	IS 3025 (Part 18)
7	CHEMICAL- WATER	Water for Construction Purpose	pH Value	IS 3025 (Part 11)
8	CHEMICAL- WATER	Water for Construction Purpose	Sulphate as SO3	IS 3025 (Part 24, Section 1)
9	CHEMICAL- WATER	Water for Construction Purpose	Suspended Solids	IS 3025 (Part 17)
10	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete	Bulk Density	IS 6441 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete	Compressive Strength	IS 6441 (Part 5)
12	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete	Dimension (Length, Width, Height)	IS 2185 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular (Aerated) Concrete	Moisture Content	IS 6441 (Part 1)
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Elastic Recovery at 15 °C	IS 15462 (Annexure A)
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Elastic Recovery at 25 °C	IS 15462
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss in Heating	IS 1212
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bitumen Mix	Penetration Test at 25 °C	IS 1203
19	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bitumen Mix	Softening Point	IS 1205
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous Material	Absolute Viscosity at 60 ºC	IS 1206 (Part 2)

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21	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous Material	Flash Point	IS 1209
22	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous Material	Kinematic Viscosity at 135 °C	IS 1206 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bituminous material	Specific Gravity	IS 1202
24	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility on Residue	IS 1208
25	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration on Residue	IS 1203
26	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	IS 8887 (Annexure J)
27	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 micron IS Sieve	IS 8887 (Annexure B)
28	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Saybolt Viscosity at 25 °C	IS 3117 (Annexure A)
29	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Saybolt Viscosity at 50 °C	IS 8887 (Annexure C)
30	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/ Core	Bitumen Content	IRC SP 11 (Clause C of Appendix 5)
31	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/ Core	Bitumen Core Density	ASTM D6926-04
32	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/ Core	Density	ASTM D2726
33	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/ Core	Marshall Stability/ Flow	ASTM D6927
34	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/ Core	Maximum Theoretical Specific Gravity (Gmm)	ASTM D2041
35	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Compressive Strength (3,7 and 28 Days)	IS 4031 (Part 6)
36	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Consistency	IS 4031 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Density	IS 4031 (Part 11)
38	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Final Setting Time	IS 4031 (Part 5)
39	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Fineness by Dry Sieving	IS 4031 (Part 1)

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40	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Initial Setting Test	IS 4031 (Part 5)
41	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Length, Width, Thickness)	IS 1237
43	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237
44	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Bulk Density	IS 13630 (Part 2)
45	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Length, Width, Thickness)	IS 13630 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
47	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Dimension (Length, Width, Height)	IS 13801
48	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Water Absorption	IS 13801
49	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
50	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
51	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
52	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386 (Part 2)
53	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
54	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
55	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
56	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
57	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angles Abrasion Value	IS 2386 (Part 4)
58	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron/ Silt Content	IS 2386 (Part 1)

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59	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 to 100 mm)	IS 2386 (Part 4)
60	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magnesium Sulphate MgSO4	IS 2386 (Part 5)
61	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate Na2SO4	IS 2386 (Part 5)
62	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
63	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
64	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Height	IS 1077
65	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Length	IS 1077
66	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Width	IS 1077
67	MECHANICAL- BUILDINGS MATERIALS	Concrete	Density	IS 1199 (Part 3)
68	MECHANICAL- BUILDINGS MATERIALS	Concrete	Workability by Compacting Factor	IS 1199 (Part 2)
69	MECHANICAL- BUILDINGS MATERIALS	Concrete	Workability by Slump Test	IS 1199 (Part 2)
70	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 (Part 1, Section 1)
71	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
72	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1, Section 1)
73	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength by Accelerated Curing Method	IS 9013
74	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
75	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS 2386 (Part 3)
76	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps (Deleterious Material)	IS 2386 (Part 2)
77	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 micron / Silt Content	IS 2386 (Part 1)

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78	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 to 10 mm)	IS 2386 (Part 1)
79	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium Sulphate MgSO4	IS 2386 (Part 5)
80	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate Na2SO4	IS 2386 (Part 5)
81	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
82	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
83	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive Strength	IS 1727
84	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Blaine’s Air Permeability	IS 1727
85	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Residue on 45 Micron	IS 1727
86	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
87	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
88	MECHANICAL- BUILDINGS MATERIALS	Heavy Duty Burnt Clay Building Bricks/ Common Burnt Clay Building Bricks/ Pulverized Fuel Ash-Lime Bricks	Compressive Strength	IS 3495 (Part 1)
89	MECHANICAL- BUILDINGS MATERIALS	Heavy Duty Burnt Clay Building Bricks/ Common Burnt Clay Building Bricks/ Pulverized Fuel Ash-Lime Bricks	Water Absorption	IS 3495 (Part 2)
90	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Block Density	IS 2185 (Part 1)
91	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Compressive Strength	IS 2185 (Part 1)
92	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Dimension (Length, Width & Height)	IS 2185 (Part 1)
93	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Block	Water Absorption	IS 2185 (Part 1)
94	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Length, Width, Thickness)	IS 15658
95	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
96	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Visual Inspection	IS 15658

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97	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
98	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Lime Bricks	Height	IS 12894
99	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Lime Bricks	Length	IS 12894
100	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Lime Bricks	Width	IS 12894
101	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bar	% Elongation	IS 1608 (Part 1)
102	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bar	0.2 % Proof Stress	IS 1608 (Part 1)
103	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bar	Bend Test	IS 1599
104	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bar	Re-bend Test	IS 1786
105	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bar	Ultimate Tensile Strength	IS 1608 (Part 1)
106	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Bar	Yield Stress	IS 1608 (Part 1)
107	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars and Wires	Weight per meter Length	IS 1786
108	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Wire (Mild Steel)	% Elongation	IS 1608 (Part 1)
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Wire (Mild Steel)	0.2 % Proof Stress	IS 1608 (Part 1)
110	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Wire (Mild Steel)	Bend Test	IS 1599
111	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Wire (Mild Steel)	Ultimate Tensile Strength	IS 1608 (Part 1)

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112	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Wire (Mild Steel)	Yield Stress	IS 1608 (Part 1)
113	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Apparent Porosity	IS 1124
114	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Compressive Strength	IS 1121 (Part 1)
115	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Dry Density	IS 13030
116	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Specific Gravity	IS 1122
117	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Water Absorption	IS 1124
118	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Water Content	IS 13030
119	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
120	MECHANICAL- SOIL AND ROCK	Rock	Saturated Specific Gravity	IS 13030
121	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
122	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
123	MECHANICAL- SOIL AND ROCK	Soil	CBR Value	IS 2720 (Part 16)
124	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil in place by Sand Replacement Method	IS 2720 (Part 28)
125	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
126	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (80, 20, 4.75, 2.00, 0.425 & 0.075 mm)	IS 2720 (Part 4)
127	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (Maximum Dry Density)	IS 2720 (Part 8)
128	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (Moisture Content)	IS 2720 (Part 8)
129	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (Maximum Dry Density)	IS 2720 (Part 7)

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130	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (Moisture Content)	IS 2720 (Part 7)
131	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
132	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
133	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
134	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
135	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
136	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Rapid Determination of Water Content from the Gas Pressure using Calcium Carbide	IS 2720 (Part 2, Section 5)