National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MADHAV LABS, PLOT NO. 1, 2, BEDI BUNDER RING ROAD, JAMNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8912 **Page No** 1 of 6

Validity 11/08/2022 to 10/08/2024 **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	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Design	Bitumen content	ASTM D 2172
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Design	Flow	ASTM D 6927
3	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Design	Stability	ASTM D 6927
4	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Compressive Strength	IS 6441 Part 5
5	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Dimension	IS 2185 Part 3
6	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding	IS 9103
7	MECHANICAL- BUILDINGS MATERIALS	Admixture	Slump	IS 1199
8	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content	IS 9103
9	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Block Density	IS 6441 Part 1
10	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Blocks	Drying Shrinkage	IS 6441 Part 2
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen/Industrial Bitumen	Flash Point	IS 1448 (Part 69)
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Density of the mix	ASTM D 2726:
13	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Compressive strength	IS 3495 (Part 1)
14	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Dimension - height	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Dimension - Length	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Dimension - width	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Efflorescence	IS 3495 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Water absorption	IS 3495 (Part 2)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS 4031 (Part–6)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part–4)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part–11)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting time	IS 4031 (Part–5)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by blaine air permeability	IS 4031 (Part–2)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving (% retained)	IS 4031(Part 1) Clause No.5
25	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting time	IS 4031 (Part 5)
26	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le–chatelier methods	IS 4031 (Part–3)
27	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension : Length/Width	IS 1237
28	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete flooring tiles	Straightness	IS 1237
29	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237
30	MECHANICAL- BUILDINGS MATERIALS	Checkered Cement Concrete Tiles	Water Absorption	IS 13801
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines Value	IS 2386 (Part 4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing value	IS 2386 (Part–4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation index	IS 2386 (Part–1)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness index	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Gradation (4.75 mm to 125 mm)	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los angeles abrasion value	IS 2386 (Part 4)

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (Part 5)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific gravity	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water absorption	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive strength	IS 516
42	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump Test	IS 1199:
43	MECHANICAL- BUILDINGS MATERIALS	Concrete (Core)	Compressive Strength	IS 516 Part 4
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part3)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Gradation (Sieve analysis – 0.075 to 10 mm sieve size)	IS 2386 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific gravity	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water absorption	IS 2386 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Breaking Strength	IS 13630 (Part 6):
49	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Height)	IS 2185 (Part 1)
51	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Length)	IS 2185 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Part 1)
53	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive strength	IS 15658
54	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water absorption	IS 15658
55	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Absolute Viscosity	IS 1206
56	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Ductility	IS 1208

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57	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Kinematics Viscosity	IS 1206
58	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Loss on heating	IS 1212
59	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Penetration (1/10th mm)	IS 1203
60	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Softening point	IS 1205
61	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Specific gravity	IS 1202
62	MECHANICAL- BUILDINGS MATERIALS	Wood (Timber)	Density (Specific Gravity)	IS 1708 Part 2
63	MECHANICAL- BUILDINGS MATERIALS	Wood (Timber)	Moisture	IS 1708 Part-1
64	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
65	MECHANICAL- SOIL AND ROCK	ROCK	Specific Gravity	IS 1124
66	MECHANICAL- SOIL AND ROCK	Rock	Unconfined compressive strength	IS 9143
67	MECHANICAL- SOIL AND ROCK	Rock	Water content	IS 13030
68	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part–16)
69	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part–15)
70	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test	IS 2720 (Part–13)
71	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test agle	IS 2720 (Part 13)
72	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
73	MECHANICAL- SOIL AND ROCK	Soil	Gradation (Sieve analysis – 0.075 to 125 mm sieve size)	IS 2720 (Part 4)
74	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part–5)
75	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part–5)

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76	MECHANICAL- SOIL AND ROCK	Soil	Proctor Test (Modified / Heavy) - MDD	IS 2720 (Part–8)
77	MECHANICAL- SOIL AND ROCK	Soil	Proctor Test (Modified / Heavy) - OMC	IS 2720 (Part–8)
78	MECHANICAL- SOIL AND ROCK	Soil	Proctor Test (Standard / Light) - MDD	IS 2720 (Part 7)
79	MECHANICAL- SOIL AND ROCK	Soil	Proctor Test (Standard / Light) - OMC	IS 2720 (Part 7)
80	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
81	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity	IS 2720 (Part–3)
82	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Clay & Soils	Dry Density- (Core Cutting Method)	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Clay & Soils	Standard Penetration	IS 2131
3	MECHANICAL- SOIL AND ROCK	Clays & Soils	Dry Density- (Sand Replacement Method)	IS 2720 (Part 28)