National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SPECTRUM LAB TECH, LAXMI INDUSTRIES, 8-A N/H, MORBI, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9479 **Page No** 1 of 3

Validity 28/04/2021 to 27/04/2023 **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	MECHANICAL- BUILDINGS MATERIALS	Ashphalt Mix	Flow test	ASTM D 6927
2	MECHANICAL- BUILDINGS MATERIALS	Asphalt Mix	Marshall Stability	ASTM D 6927
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening point	IS 1205
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Absolute Viscosity	IS 1206
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Ductility	IS 1208
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Kinematics Viscosity	IS 1206
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Penetration	IS 1203
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Specific gravity	IS 1202
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Binder content	ASTM D2172
10	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Compressive Strength	IS 3495 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension (Width)	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension Height	IS 1077
13	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension Length	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Efflorescence	IS 3495 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Water absorption	IS 3495 (Part 2)
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine air permeability	IS 4031 (Part 2)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness	IS 4031 (Part 3) Clause-5
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS 4031 (Part 6)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting times	IS 4031 (Part 5)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting times	IS 4031 (Part 5)
22	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Dimension - Length	IS 13630 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Dimension - Thickness	IS 13630 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Pressed Ceramic (Vitrified) Tiles	Dimension - Width	IS 13630(Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles abrasion value	Is 2386 (Part-4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 125 mm)	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by MgSO4 Soundness by NA2SO4	IS 2386 (Part 5)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density & Voids	IS 2386, Part 3
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS 2386 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 5)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 micron	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump test	IS 1199
41	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
42	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
43	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
44	MECHANICAL- SOIL AND ROCK	Soil	California Bearing ratio	IS 2720 (Part 16)
45	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part- 40)
46	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis Clay (75 micron to 10 mm)	IS 2720 (Part-4)
47	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
48	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
49	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
50	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
51	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
52	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3)