National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SOILMATE LABORATORIES & CONSULTANCY, 173,174,175,NIDHI SHOPPING CENTER, OFF 132 FT. ROAD, NARANPURA, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5244 **Page No** 1 of 4

Validity 16/11/2021 to 15/11/2023 **Last Amended on** 04/01/2022

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- WATER	Water for construction purpose	0.02N H2SO4 required for neutralization of 100 mL Water	IS 3025 Part 22, IS 456
2	CHEMICAL- WATER	Water for construction purpose	0.02N NaOH required for neutralization of 100 mL Water	IS 3025 Part 22, IS 456
3	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS 3025 Part 32
4	CHEMICAL- WATER	Water for construction purpose	Inorganic solids	IS 3025 Part 18
5	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS 3025 Part 18
6	CHEMICAL- WATER	Water for construction purpose	pH Value	IS 3025 Part 11
7	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO3	IS 3025 Part 24
8	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 Part 17
9	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Block	Block Density	IS 6441 Part 5
10	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Block	Compressive strength	IS 6441 Part 5
11	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Block	Dimension Test - height	IS 2185 Part 3
12	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Block	Dimensions - Breadth	IS 2185 part 3
13	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Block	Dimensions - Length	IS 2185 Part 3
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (part II)
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Bitumen Extraction	ASTM D 2172
16	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
17	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part III)
18	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on heating	IS 1212
19	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Marshal Flow	ASTM-6927
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Marshal Stability	ASTM-6927

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21	MECHANICAL- BUILDINGS MATERIALS	Bitumen	penetration	IS 1203
22	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening point	IS 1205
23	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
24	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks & Fly Ash Bricks	Compresive Strength	IS 3495 Part I
25	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimension	IS 1077
26	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks & Fly Ash Bricks	Efflorescence	IS 3495 Part III
27	MECHANICAL- BUILDINGS MATERIALS	Burnt clay Bricks & Fly Ash Bricks	Water Absorption	IS 3495 Part II
28	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 Part VI
29	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 part IV
30	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting time	IS 4031 part V
31	MECHANICAL- BUILDINGS MATERIALS	Cement	fineness by blain air permeability	IS 4031 Part II
32	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry seiving	IS 4031 Part I
33	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting time	IS 4031 part V
34	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le chattalier method	IS 4031 part III
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing value	IS 2386 Part IV
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 Part I
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 part I
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 Part I
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 Part IV

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40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles Abrasion	IS 2386 Part IV
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 23.86 Part III
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 Part III
43	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
44	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516
45	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump cone	IS 1199
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis	IS 2386 Part I
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 Part III
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 Part III
49	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658 annex. D
50	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658 Annex. C
51	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 Part XVI
52	MECHANICAL- SOIL AND ROCK	Soil	Consolidation	IS 2720 Part 15
53	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (UU) (Cohesion C)	IS 2720 Part XIII
54	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 Part 40
55	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis	IS 2720 Part IV
56	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (MDD)	IS 2720 Part VIII
57	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction (OMC)	IS 2720 Part VIII
58	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 Part VII

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59	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 Part VII
60	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 Part V
61	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 Part V
62	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 Part III section 1
63	MECHANICAL- SOIL AND ROCK	Soils	Grain Size by Hydrometer method	IS 2720 Part 4
64	MECHANICAL- SOIL AND ROCK	Soils	Permeability constant head test	IS 2720 PART 17
65	MECHANICAL- SOIL AND ROCK	Soils	Permeability Falling Head test	IS 2720 part 17
66	MECHANICAL- SOIL AND ROCK	Soils	Swelling Pressure	IS 2720 Part 41
67	MECHANICAL- SOIL AND ROCK	Soils	Tri-axial Test	IS 2720 Part 11