National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MICRON ENGINEERING SERVICES, PLOT NO. 16, ROYAL INDUSTRIAL HUB, VALSAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 23/10/2021 to 22/10/2023 **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	Aggregate (Coarse)	Bulk Density	IS 2386 (Part 3)
2	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Crushing Value	IS 2386 (Part 4)
3	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Elongation Index	IS 2386 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Flakiness Index	IS 2386 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Impact Value	IS 2386 (Part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Los Angeles Abrasion Value	IS 2386 (Part 4)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Sieve Analysis (4.75 mm to 125 mm)	IS 2386 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Soundness	IS 2386 (Part 5)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Specific Gravity	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Water Absorption	IS 2386 (Part 5)
11	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve Analysis (4.75 mm to 75 micron)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Specific Gravity	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Water Absorption	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Alkali Aggregate Reactivity (a) Reduction of alkalinity (RC)	IS 2386 (Part-7)
16	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Alkali Aggregate Reactivity Dissolved Silica (SC)	IS 2386 (Part-7)
17	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Ten Percent Fines Value	IS 2386 (Part-4)
18	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine)	Finer than 75 micron	IS 2386 (Part-1)

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19	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine)	Soundness by Sodium Sulphate	IS 2386 (Part-5)
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
21	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
22	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
24	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
25	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
26	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content	ASTM D2172
27	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Density	ASTM D2041
28	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow Test	ASTM D6927
29	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability	ASTM D6927
30	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/ Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/ Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/ Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
33	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension	IS 1077
34	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
35	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
36	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
37	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)

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38	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Specific Surface by Blaine's Air Permeability	IS 4031 (Part 2)
39	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
40	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier method	IS 4031 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimension	IS 13757
42	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516
43	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS 516
44	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
45	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
46	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
47	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cc)	IS 2720 (Part 15)
48	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Pc)	IS 2720 (Part-15)
49	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (DUU) (Cohesion)	IS 2720 (Part 13)
50	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (DUU) (Friction Angle)	IS 2720 (Part-13)
51	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 10)
52	MECHANICAL- SOIL AND ROCK	Soil	Grain Size analysis (Wet & Dry analysis)	IS 2720 (Part 4)
53	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
54	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part-8)
55	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer analysis	IS 2720 (Part 4)
56	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)

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57	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part-8)
58	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
59	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
60	MECHANICAL- SOIL AND ROCK	Soil	Relative Density	IS 2720 (Part 14)
61	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 4)
62	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 / Sec 1)
63	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
64	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part 10)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil Field Test	Dry Density by Core-Cutter Method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil Field Test	Dry Density by Sand Replacement Method	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Soil Field Test	In situ CBR test (By DCPT)	ASTM D6951-18