National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ALCON ENGINEERING LABORATORY, JUNAGADH-RAJKOT ROAD, DOLATPARA, JUNAGADH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11733 **Page No** 1 of 4

Validity 05/06/2023 to 04/06/2025 **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	Autocalve Aerated Block	Compressive Strength Test	IS 6441 (Part 5)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated	Dimension - Breadth	IS 2185 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Block	Dimension - Height	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Block	Dimension -Length	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Block	Dry Density	IS 6441 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility Test	IS 1208
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on heating	IS 1212
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration @ 25 °C	IS 1203
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow	ASTM D6927
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshal Stability	ASTM D 6927
13	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength Test	IS 3495 (P-1)
14	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Breadth	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Length	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension-Height	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (P-3)
18	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption Test	IS 3495 (P-2)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% fines Value	IS 2386 (Part - 4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value Test	IS 2386 (Part -4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part -1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part -1)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Grading (Sieve Analysis)	IS 2386 (Part -1) , (4.75 mm to 40 mm)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value Test	IS 2386 (Part -4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part -3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part -3)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Grading (Sieve Analysis)	IS 2386 (Part -1), (80 mm to 75 micron)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part -3)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part -3)
30	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
31	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Compressive Strength Test	IS 516
32	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Compressive Strength Test	IS 4031 (P-6)
33	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Final Setting Time	IS 4031 (P-5)
34	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Finness by Dry Sieving	IS 4031 (Part -1)
35	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Initial Setting Time	IS 4031 (P-5)
36	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Soundness by Lechateliar Method	IS 4031 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Standard Consistency Test	IS 4031 (P-4)

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38	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks For Paving	Compressive Strength Test	IS 15658
39	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks For Paving	Water Absorption	IS 15658
40	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (P-16)
41	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear test (Angle of Friction)	IS 2720 (Part 13)
42	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (P-13)
43	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index Test	IS 2720 (P-40)
44	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (P-4)
45	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (P-8)
46	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
47	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (P-7)
48	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (OMC)	IS 2720 (Part 7)
49	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (P-5)
50	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
51	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (P-5)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Density by core cutter method	IS 2720 (Part 29/Sec 1)