National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ALCON ENGINEERING LABORATORY, UJAM HOUSE, PANCHVATI NAGAR-5, NANA MAUVA MAIN ROAD, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8158 **Page No** 1 of 5

Validity 02/11/2022 to 29/12/2023 **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	Autocalve Aerated Block	Compressive Strength Test	IS 6441 (Part 5)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Block	Dimension - B	IS 2185 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Block	Dimension - H	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Block	Dimension -L	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclave Aerated Block	Dry Density	IS 6441 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208 (RA 2014)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration Test	IS 1203 (RA 2014)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point Test	IS 1205 (RA 2014)
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow	ASTM D 6927
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Stability	ASTM D 6927
11	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compression	IS 3495 (Part 1)(RA 2016)
12	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 1077 (RA 2016)
13	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension -Height	IS 1077 (RA 2016)
14	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension-Length	IS 1077 (RA 2016)
15	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)(RA 2016)
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2) (RA 2016)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031(Part-6)(RA 2014)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS 4031 (Part-1)(RA-2016)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting time final	IS 4031 (Part-5)(RA 2014)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting Time Initial	IS 4031 (Part-5) (RA2014)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier test	IS 4031 (Part-3)(RA 2014)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard Consistency	IS 4031 (Part-4)(RA 2014)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part 3)(RA 2016)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)(RA 2016)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)(RA 2016)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1) (RA 2016)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Grading (Sieve Analysis)	IS 2386 (Part 1)(RA 2016)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)(RA 2016)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3) (RA 2016)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Unit Weights and Voids (bulk density)	IS 2386 (Part 3) (RA 2016)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)(RA 2016)
32	MECHANICAL- BUILDINGS MATERIALS	Concrete (Fresh)	Slump	IS 1199 (RA 2013)
33	MECHANICAL- BUILDINGS MATERIALS	Concrete (Hardened)	Compressive Strength	IS 516 (RA 2013)
34	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Dimensions - Height	IS 4020 (Part 2)
35	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Dimensions - Thickness	IS 4020 (Part 2)
36	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Dimensions - Width	IS 4020 (Part 2)
37	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	End Immersion Test	IS 4020 (Part 13)

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38	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Flatness - Warping & Cupping	IS 4020 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Flatness-Twist	IS 4020 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Glue Adhesion Test	IS 4020 (Part 15)
41	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Squareness	IS 4020 (Part -2)
42	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Varying Humidity Test	IS 4020 (Part 12)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)(RA 2016)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)(RA 2016)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water absorption	IS 2386 (Part 3)(RA 2016)
46	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block For Paving	Compressive Strength Test	IS 15658
47	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks For Paving	Water Absorption	IS 15658
48	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Scratch Hardness of Surface	IS 13630 (Part -13)
49	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Breaking Strength	IS 13630 (Part 6)
50	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles	Modulus of Rupture	IS 13630 (Part 6)
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel bars for Concrete Reinforcement	% Elongation	IS 1608 (Part-1)
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel bars for Concrete Reinforcement	Bend Test (40 mm, 50 mm, 64 mm, 84 mm, 112 mm,125 mm, 140 mm, 160 mm, 175 mm, 224 mm)	IS 1599
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel bars for Concrete Reinforcement	Gross cross sectional area	IS 1786
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel bars for Concrete Reinforcement	Nominal Mass	IS 1786

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55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel bars for Concrete Reinforcement	Re-Bend Test	IS 1786
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel bars for Concrete Reinforcement	Ultimate Tensile Strength	IS 1608 (Part-1)
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel bars for Concrete Reinforcement	Yield Stress	IS 1608 (Part-1)
58	MECHANICAL- SOIL AND ROCK	Clays & Soil	Specific Gravity	IS 2720 (Part 3/ Set 1)(RA 2015))
59	MECHANICAL- SOIL AND ROCK	Clays & Soils	CBR	IS 2720 (Part 16)(RA 2016)
60	MECHANICAL- SOIL AND ROCK	Clays & Soils	Free Swell Index of Soil	IS 2720 (Part 40)(RA 2016)
61	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size Analysis	IS 2720 (Part 4)(RA 2015)
62	MECHANICAL- SOIL AND ROCK	Clays & Soils	Liquid Limit	IS 2720 (Part 5) (RA 2015) Cl. 3.0
63	MECHANICAL- SOIL AND ROCK	Clays & Soils	Max. Dry Density by Light Compaction	IS 2720 (Part 7)(RA 2016)
64	MECHANICAL- SOIL AND ROCK	Clays & Soils	Moisture Content	IS 2720 (Part 2) (RA 2015)
65	MECHANICAL- SOIL AND ROCK	Clays & Soils	Optimum Moisture Content	IS 2720 (Part 27)(RA 2016)
66	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plastic Limit	IS 2720 (Part 5)(RA 2015)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soils	Density by core cutter method	IS 2720 (Part 29 / Sec 1)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer Test	IS 516 (Part 5 sec4)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic Pulse Velocity Test	IS 516 (Part 5 Sec 1)