

Laboratory **Concrete Futures Laboratory, Ambuja Cements Ltd., SCO-79, Sector-5, Panchkula, Haryana**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-7747**

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Validity **16.08.2018 to 15.08.2020**

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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**MECHANICAL TESTING**

I.	BUILDING MATERIAL			
1.	Fine Aggregates	Sieve Analysis	IS 2386 (Part 1)	10 mm to 150 microns
		Materials Finer Than 75 Microns	IS 2386 (Part 1)	0.1 % to 25 %
		Specific Gravity	IS 2386 (Part 3)	1 to 3
		Water Absorption	IS 2386 (Part 3)	0.1 % to 20 %
		Bulk Density: Loose Condition	IS 2386 (Part 3)	1.0 kg/l to 3.0 kg/l
		Bulk Density: Compacted condition		
2.	Coarse Aggregates	Sieve Analysis	IS 2386 (Part 1)	50 mm to 2.36 mm
		Materials Finer Than 75 Microns	IS 2386 (Part 1)	0.1 % to 10 %
		Specific Gravity	IS 2386 (Part 3)	1 to 3
		Water Absorption	IS 2386 (Part 3)	0.1 % to 20 %
		Bulk Density: Loose Condition	IS 2386 (Part 3)	1.0 kg/l to 3.0 kg/l
		Bulk Density: Compacted condition		
		Flakiness Index	IS 2386 (Part 1)	1 % to 80 %
		Elongation Index	IS 2386 (Part 1)	1 % to 80 %
3.	Concrete Cube	Compressive Strength	IS 516	1 N/mm <sup>2</sup> to 80 N/mm <sup>2</sup>

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