

Laboratory Concrete Future Laboratory, Ambuja Cements Limited, 16A, Jog Layout, Prashant Nagar, Nagpur, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7757

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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
<u>MECHANICAL TESTING</u>				
1.	BUILDING MATERIALS			
1.	Fine Aggregates	Sieve analysis	IS 2386 (Part 1)	10 mm to 75 micron
		Specific gravity	IS 2386 (Part 3)	2.4 to 3.1
		Water absorption	IS 2386 (Part 3)	0.1% to 10 %
		Bulk density	IS 2386 (Part 3)	1.2 kg/l to 1.8 kg/l
		Moisture content	IS 2386 (Part 1)	0.1% to 10 %
		Silt content	IS 2386 (Part 1)	0.1% to 25 %
2.	Coarse Aggregates	Sieve analysis	IS 2386 (Part 3)	63 mm to 2.36 mm
		Elongation index	IS 2386 (Part 3)	1% to 40%
		Flakiness index	IS 2386 (Part 3)	1% to 40%
		Water absorption	IS 2386 (Part 3)	0.1% to 20%
		Specific gravity	IS 2386 (Part 3)	1.5 to 3.5
		Bulk density	IS 2386 (Part 3)	1.2 kg/l to 1.8 kg/l
3.	Concrete	Compressive strength	IS 516	1 MPa to 75 MPa
		Flexural Strength	IS 516	0.1 MPa to 5 MPa
4.	Flyash	Fineness test	IS 1727	0 to 100%