

Laboratory Concrete Futures Laboratory, Ambuja Cements Limited., 228, Udyog Vihar, Phase 1, Gurgaon, Haryana
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number TC-7349 (in lieu of T-4006) **Page 1 of 1**
Validity 16.06.2018 to 15.06.2020 **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>				
I.	BUILDING MATERIALS			
1.	Fine Aggregate	Sieve Analysis	IS 2386 (Part-I)-1963 RA 2016	10 mm to 150 microns (Upto 100 %)
		Material finer than 75 micron	IS 2386 (Part-I)-1963 RA 2016	0.1% to 25 %
		Specific gravity	IS 2386 (Part-3)-1963 RA 2016	1 to 4
		Water absorption	IS 2386 (Part-3)-1963 RA 2016	0.01 % to 20 %
		Bulk density:- Loose Bulk density.	IS 2386 (Part-3)-1963 RA 2016	1.0 kg/L to 2.5 kg/L
		Rodded bulk density	IS 2386 (Part-3)-1963 RA 2016	1.0 kg/L to 3.5 kg/L
2.	Coarse Aggregate	Sieve Analysis	IS 2386 (Part-I)-1963 RA 2016	50 mm to 4.75 mm (Upto 100 %)
		Material finer than 75 micron	IS 2386 (Part-I)-1963 RA 2016	0.01% to 10 %
		Specific gravity	IS 2386 (Part-3)-1963 RA 2016	1 to 4
		Water absorption:-	IS 2386 (Part-3)-1963 RA 2016	0.01 % to 20 %
		Loose Bulk density. Rodded bulk density	IS 2386 (Part-3)-1963 RA 2016	1.0 kg/L to 2.5 kg/L 1.0 kg/L to 3.5 kg/L
		Flakiness index	IS 2386 (Part-I)-1963 RA 2016	5% to 60 %
		Elongation index	IS 2386 (Part-I)-1963 RA 2016	5 % to 60 %
3.	Concrete Cube	Compressive Strength	IS 516-1959 RA 2016	5 N/mm ² to 80 N/mm ²