Laboratory	Ultratech Cement Limited (Unit: Rajashree Cement Works) Laboratory, Aditya Nagar, Malkhed Road, Dist. Gulbarga, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	TC-5630 (In lieu of T-2444 & T-2445)	Page 1 of 2	
Validity	24.04.2017 to 23.04.2019	Last Amended on 08.05.2017	

SI.	Product / Material	Specific Test	Test Method Specification	Range of Testing /
	of Test	Performed	against which tests are	Limits of Detection
			performed	

CHEMICAL TESTING

I.	BUILDING MATERIALS			
1.	Cement	Silicon Di-Oxide	IS 4032	10 % to 35 %
	OPC 43, OPC53,	Aluminium Oxide	IS 4032	4.0 % to 12.0 %
	PPC	Iron Oxide	IS 4032	3.0 % to 8.0 %
		Calcium Oxide	IS 4032	40.0 % to 68.0 %
		Magnesium Oxide	IS 4032	0.20 % to 6.0 %
		Sulphuric Anhydride	IS 4032	0.80 % to 5.0 %
		Total Loss on Ignition	IS 4032	0.20 % to 10.0 %
		Insoluble Residue	IS 4032	0.20 % to 40.0 %
		Total Chlorides	IS 4032	0.001 % to 0.10 %

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MECHANICAL TESTING

I.	BUILDING MATERIALS			
1.	Cement (OPC 43, OP53,	Fineness by Air Permeability Method	IS 4031 (Part-2)	2000 cm ² /g to 5000 cm ² /g
PPC)	PPC)	Soundness:		
		Le-Chatelier Method	IS 4031 (Part-3)	0 to 10 mm
		Autoclave Method	IS 4031 (Part-3)	0.02 % to 0.80 %
		Setting Time:		
		Initial Setting Time	IS 4031 (Part-5) (RA 2005)	5 minutes to 300 minutes
		Final Setting Time	IS 4031 (Part-5)	30 minutes to 600 minutes
		Consistency	IS 4031 (Part-4)	10 % to 40 %
		Compressive Strength	IS 4031 (Part-6)	10 MPa to 80 MPa
		Drying Shrinkage	IS 4031 (Part-10)	0.02 % to 0.15 %