

Laboratory **Quality Control Laboratory, Orient Cement Limited, Post: Devapur
Cement Works, Dist: Adilabad, Telangana**

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

Certificate Number **TC-6195 (in lieu of T-1669 & T-1670)**

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Validity **18.10.2017 to 17.10.2019**

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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CHEMICAL TESTING

I.	BUILDING MATERIAL			
1.	Cement OPC (OPC-43 Grade, OPC-53 Grade), PPC	SiO	IS 4032	8.00% to 35.0%
		Al O	IS 4032	1.00% to 25.0%
		Fe O	IS 4032	0.6% to 10.0%
		CaO	IS 4032	35.0% to 70.0%
		MgO	IS 4032	0.8% to 10.0%
		SO	IS 4032	0.20% to 7.0%
		Insoluble Residue	IS 4032	0.20% to 35.0%
		Chlorides	IS 4032	0.005% to 0.50%
	Loss on Ignition	IS 4032	0.20% to 10.0%	

Ajay Sharma
Convenor

N. Venkateswaran
Program Director

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MECHANICAL TESTING

I.	BUILDING MATERIALS			
1.	Cement OPC (OPC-43 Grade, OPC-53 Grade), PPC	Specific Surface Area	IS 4031(Part-2):1999	225 m ² /kg to 600 m ² /kg
		Normal Consistency	IS 4031(Part-4):1988	20.0% to 45.0 %
		Le-Chatelier Expansion	IS 4031(Part-3):1988	0.5 mm to 10 mm
		Autoclave Expansion	IS 4031(Part-3):1988	0.01% to 0.80 %
		Setting Time	IS 4031(Part-5):1988	30 Minutes to 600 Minutes
		Compressive Strength	IS 4031(Part-6):1988	10 MPa to 80 MPa
		Drying Shrinkage	IS 4031(Part-10):1988	0.01% to 0.25 %
		Density	IS 4031(Part-11):1988	1.5 g/cm ³ to 3.5 g/cm ³

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