Laboratory Quality Control Laboratory, Prism Cement Limited, Unit 1, Village Mankahari, P. O. Bathia, Dist. Satna, Madhya Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing Issue Date 03.02.2015

Certificate Number T-1499 Valid Until 02.02.2017

Last Amended on - Page 1 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection			
I.	BUILDING MATERIALS						
1.	Cement (OPC) 33 Grade/43 Grade/53 Grade	Loss on Ignition	IS 4032: 1985 (RA 2005), Clause No. 4.2	(0.10 to 10) %			
		Silica Content	IS 4032: 1985 (RA 2005), Clause No. 4.3	(18 to 25) %			
		Alumina	IS 4032: 1985 (RA 2005), Clause No. 4.6.2	(3 to 10) %			
		Iron oxide	IS 4032: 1985 (RA 2005), Clause No. 4.5.2	(3 to 10) %			
		Lime Content	IS 4032: 1985 (RA 2005), Clause No. 4.7.2	(55 to 68) %			
		Magnesium oxide	IS 4032: 1985 (RA 2005), Clause No. 4.8.2	(0.10 to 10) %			
		Insoluble residue	IS 4032: 1985 (RA 2005), Clause No. 4.10	(0.20 to 10) %			
		Sulphuric Anhydride	IS 4032: 1985 (RA 2005), Clause No. 4.9	(0.5 to 5) %			
		Chloride content	IS 4032: 1985 (RA 2005), Clause No. 4.1.2	(0.001 to 0.10) %			
2.	Cement (PPC) Fly Ash baded	Loss on Ignition	IS 4032: 1985 (RA 2005), Clause No. 7.10	(0.10 to 10)%			
		Magnesium oxide	IS 4032: 1985 (RA 2005), Clause No. 7.2.2	(0.10 to 10) %			

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Last Amended on - Page 2 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Cement (PPC) Fly Ash baded	Insoluble residue	IS 4032: 1985 (RA 2005), Clause No. 7.4	(10 to 50) %
		Sulphuric anhydride	IS 4032: 1985 (RA 2005), Clause No. 7.3	(0.1 to 5) %
		Chloride content	IS 4032: 1985 (RA 2005), Clause No. 4.1.2	(0.001 to 0.16) %
3.	Cement (Clinker)	Loss on Ignition	IS 4032: 1985 (RA 2005), Clause No. 4.2	(0.10 to 5) %
		Silica Content	IS 4032: 1985 (RA 2005), Clause No. 4.3	(15 to 25) %
		Alumina	IS 4032: 1985 (RA 2005), Clause No. 4.6.2	(2.50 to 10) %
		Iron oxide	IS 4032: 1985 (RA 2005), Clause No 4.5.2	(2.0 to 10) %
		Lime Content	IS 4032: 1985 (RA 2005), Clause No. 4.7.2	(55 to 70) %
		Magnesium oxide	IS 4032: 1985 (RA 2005), Clause No. 4.8.2	(0.10 to 10) %
		Insoluble residue	IS 4032: 1985 (RA 2005), Clause No. 4.10	(0.1 to 5) %
		Sulphuric anhydride	IS 4032: 1985 (RA 2005), Clause No. 4.9	(0.10 to 5) %

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