

Laboratory J. K. Lakshmi Cement Ltd., Jhajjar Unit, Vill. Bajitpur, P. O. Jhamri, Dist-Jhajjar, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 24.05.2015

Certificate Number T-3414 **Valid Until** 23.05.2017

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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 (PPC)	Normal consistency	IS 4031 (Part 4):1998 (RA 2005)	10% to 60%
		Soundness (By Le- Chatelier Method)	IS:4031(Part 3):1998 RA 2009	1mm to 20 mm
		Soundness (By Autoclave Method)	IS:4031(Part 3):1998 RA 2009	Upto 3%
		Initial Setting time (Vicat Apparatus)	IS :4031 (Part 5):1988 RA 2009	10 minutes to 600 minutes
		Final setting time (Vicat Apparatus)	IS :4031 (Part 5):1988 RA 2009	10 minutes to 1000 minutes
		Fineness (Blaine Apparatus)	IS:4031 (part II):1999 RA 2005	200 m ² /kg to 500 m ² /kg
		Compressive Strength (72 Hours)	IS: 4031 (Part 6):1998 RA 2009	10 N/mm ² to 100 N/mm ²
		Compressive Strength (168 Hours)	IS: 4031 (Part 6):1998 RA 2009	10 N/mm ² to 100 N/mm ²
		Compressive Strength (672 Hours)	IS: 4031 (Part 6):1998 RA 2009	10 N/mm ² to 100 N/mm ²
		Drying Shrinkage	IS:4031 (Part 10):1998	Upto 5%

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