

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

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

**Discipline** Chemical Testing **Issue Date** 24.05.2015

**Certificate Number** T-3413 **Valid Until** 23.05.2017

**Last Amended on** - **Page** 1 of 1

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I. BUILDING MATERIALS</b>				
<b>1.</b>	<b>Cement (OPC)</b>	Loss on Ignition	IS 4032: 1985	1 % to 10 %
		SiO <sub>2</sub>	IS 4032: 1985	10 % to 30 %
		Fe <sub>2</sub> O <sub>3</sub>	IS 4032: 1985	1 % to 10 %
		Al <sub>2</sub> O <sub>3</sub>	IS 4032: 1985	2 % to 10 %
		CaO	IS 4032: 1985	30 % to 80 %
		MgO	IS 4032: 1985	1 % to 10 %
		Sulphuric Anhydride	IS 4032: 1985	0.05 % to 8 %
		Alkalis as Na <sub>2</sub> O	IS 4032: 1985	0.05 % to 5 %
		Insoluble Residue	IS 4032: 1985	0.1 % to 20 %
		Cl	IS 4032: 1985	0.005 % to 2.0 %
<b>2.</b>	<b>Cement (PPC)</b>	Loss on Ignition	IS 4032: 1985	0.5 % to 10 %
		MgO	IS 4032: 1985	1 % to 10 %
		Sulphuric Anhydride	IS 4032: 1985	0.05 % to 8 %
		Insoluble Residue	IS 4032: 1985	10 % to 50 %
		Cl	IS 4032: 1985	0.005 % to 2.0 %

~~-X-X-X-X-X-X-X-X-X-X-X-X-~~

**Mallika Gope**  
Convenor

**N. Venkateswaran**  
Program Manager