

Laboratory	Birla White Quality Control Laboratory, Ultra Tech Cement Ltd. (Unit: Birla White), Rajashree Nagar, Kharia Khangar, Jodhpur, Rajasthan		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.05.2014
Certificate Number	T-2221	Valid Until	03.05.2016
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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
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I. BUILDING MATERIALS

1. White Cement	Loss on Ignition		IS 4032:1989, RA 2005	1.0% to 6.0%
	Insoluble Residue		IS 4032:1989, RA 2005	0.15% to 6.00%
	Silica as SiO ₂		IS 4032:1989, RA 2005	18.0% to 24.0%
	Alumina as Al ₂ O ₃		IS 4032:1989, RA 2005	2.0% to 6.0%
	Iron as Fe ₂ O ₃		IS 4032:1989, RA 2005	0.10% to 0.65%
	Calcium Oxide as CaO		IS 4032:1989, RA 2005	55.5% to 67.5%
	Magnesium Oxide as MgO		IS 4032:1989, RA 2005	0.40% to 5.0%
	Sulphur trioxide		IS 4032:1989, RA 2005	0.5% to 5.0%
	Loss on Ignition		EN 196-2-2005	1.0% to 6.0%
	Insoluble Residue		EN 196-2-2005	0.15% to 6.00%
	Chloride		EN 196-2-2005	0.001% to 0.50%
	Sulphur trioxide		EN 196-2-2005	0.50% to 5.0%
	Silica as SiO ₂		IS 12803:1989, RA 2004	18.0% to 24.0%
	Alumina as Al ₂ O ₃		IS 12803:1989, RA 2004	2.0% to 6.0%
	Iron as Fe ₂ O ₃		IS 12803:1989, RA 2004	0.10% to 0.65%
	Calcium Oxide as CaO		IS 12803:1989, RA 2004	55.5% to 67.5%
	Magnesium Oxide as MgO		IS 12803:1989, RA 2004	0.40% to 5.0%
	Sulphur trioxide		IS 12803:1989, RA 2004	0.50% to 5.0%
	Potassium oxide as K ₂ O		IS 12803:1989, RA 2004	0.05% to 1.0%
	Sodium oxide as Na ₂ O		IS 12803:1989, RA 2004	0.05% to 1.0%
	Chloride		IS 12803:1989, RA 2004	0.001% to 0.50%

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