



Ash Grove
 White Portland Cement Specifications Type I
 A.S.T.M C150
 Tel: 1-866-727-5393

Chemical Requirements	Spec. Limit	Test Limit	Physical Requirements	Spec. Limit	Test Result
MgO, (%)	6.0 max	0.15	Average Fineness (Blaine) (m ² /Kg)	280 min	415
SO ₃ , (%) C ₃ A < 8	3.0 max			420 max	
SO ₃ , (%) C ₃ A > 8	3.5 max	2.79	Autoclave Expansion (%)	0.80 max	0.75
Loss on Ignition, (%)	3.0 max	2.65			
Insoluble Residue, (%)	0.75 max	0.55	Time of Setting:		
			Vicat initial set, minutes	45 min	115
				375 max	170
Limestone (%)	5.0 max	1.00			
C ₃ S		59.48	Compressive strengths: (psi)		
C ₂ S		21.84	3 days	1740 min	3900
C ₃ A		11.49	7 days	2760 min	4750
C ₄ AF		0.75	28 days		7975
			Whiteness		92

*We certify that the above described cement, at the time of shipment, meets the chemical and physical requirements of the ASTM C 150 specification.