



Report of Cement Analysis
Grey Portland Cement

CHEMICAL ANALYSIS

PARAMETER	RESULTS	SPECIFICATIONS
Silicon Dioxide (SiO ₂)	18.40%	
Aluminum Oxide (Al ₂ O ₃)	5.70%	
Ferric Oxide (Fe ₂ O ₃)	4.42%	
Calcium Oxide (CaO)	63.70%	
Magnesium Oxide (MgO)	0.71%	6.0 % Maximum
Sulfure Trioxide	2.70%	3.5 % Maximum
Loss On Ignition	2.88%	3.0 % Maximum
Insoluble Residue	0.48%	0.75 % Maximum
Alkalies as Na ₂ O	0.39%	

PHYSICAL ANALYSIS

PARAMETER	RESULTS	SPECIFICATIONS
Blaine Surface, m ² /Kg	303	280 Minimum
Vicat Set, minutes		
Initial	140	Not less than 45
Final	200	Not more than 375
Compressive Strength, p.s.i (MPa)		
2 Day	4312 (29.76)	10.0 MPa Minimum
7 Days	5749 (39.65)	17.0 MPa Minimum
28 Days	7293 (50.3)	

The cement covered by this report complies with the current specifications of ASTM C-150