



Report of Cement Analysis
Grey Portland Cement

Date: January 2022

CHEMICAL ANALYSIS

PARAMETER	RESULTS	SPECIFICATIONS
Silicon Dioxide (SiO ₂)	21.30 %	
Aluminum Oxide (Al ₂ O ₃)	5.12 %	
Ferric Oxide (Fe ₂ O ₃)	3.77 %	
Calcium Oxide (CaO)	61.50 %	
Magnesium Oxide (MgO)	0.28 %	6.0 % Maximum
Sulfure Trioxide	3.07 %	3.5 % Maximum
Loss On Ignition	1.28 %	3.0 % Maximum
Insoluble Residue	0.28 %	0.75 % Maximum
Alkalies as Na ₂ O	0.41 %	

PHYSICAL ANALYSIS

PARAMETER	RESULTS	SPECIFICATIONS
Blaine Surface, m ² /Kg	335	280 Minimum
Vicat Set, minutes		
Initial	125	Not less than 45
Final	188	Not more than 375
Compressive Strength, p.s.i (MPa)		
2 Day	3045 (21.0)	10.0 MPa Minimum
7 Days	5600 (46.0)	17.0 MPa Minimum
28 Days	6800	

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