

Clinker Analysis

SI No	Chemical Composition	Results (%)
1	Silica (SiO ₂)	21.2
2	CaO (Calcium Oxide)	65.2
3	Magnesia (MgO)	3.1
4	Aluminates (Al ₂ O ₃)	5.55
5	Ferric Oxide (Fe ₂ O ₃)	2.7
6	Sulfur Trioxide (SO ₃)	0.75
7	Insoluble Residue (IR)	0.25
8	Free Lime (fCaO)	1.35
9	Loss on Ignition (LOI)	0.2
10	Total Alkali (Na ₂ O+K ₂ O)	0.74

SI No	Phase Composition	Results (%)
1	Tri-Calcium Silicate (C ₃ S)	61.02
2	Di-Calcium Silicate (C ₂ S)	14.77
3	Tri-Calcium Aluminates (C ₃ A)	10.14
4	Tetra Calcium Alminiferite (C ₄ AF)	8.22
5	Lime Saturation Factor (LSF)	96.36
6	Alumina Iron ratio	2.06
7	Silica Ratio	2.57

SI No	Size (%)	Results (%)
1	0-1 mm	less than 10
2	01-05 mm	less than equal to 20
3	05-10 mm	less than equal to 25
4	10-30 mm	less than equal to 50
5	Over 30 mm	less than equal to 10

SI No	Physical Composition	Results (%)
1	Moisture (%)	less than 0.5

***Please note that size total percentage is more than hundred as the lower range is open number**