



# Doroud Cement.CO



Clinker Type 5

RESULT OF CHEMICAL ANALYSIS

Composition	percent	specifications	Test method(isiri)
Silicon Dioxide (SiO <sub>2</sub> )	21.80	%	1692
Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )	4.25	%	
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	5.20	%	
Calcium Oxide (CaO)	65.02	%	
Mangesium Oxide (MgO)	1.98	%	
Sulfur TriOxide (SO <sub>3</sub> )	0.3	%	
Sodium Oxide (Na <sub>2</sub> O)	0.29	%	1695
Potassium Oxide(K <sub>2</sub> O)	0.68	%	
Loss on Ignition (LOI)	0.34	%	1692
Insoluble Residue (IR)	0.15	%	
Total	99.82		
Free CaO	1.0		
<b>COMPOSITION &amp; MODULUE</b>			
Tricalcium-silicate (C <sub>3</sub> S)	62.2	%	389
Dicalcium-silicate (C <sub>2</sub> S)	15.6	%	
Tricalcium-Aluminate (C <sub>3</sub> A)	2.5	%	
Tetracalcium-Aluminoferrite (C <sub>4</sub> AF)	15.8	%	
Lime saturated Factor (L.S.F)	93.5	%	
Silica Modulus (SI.M)	2.3	%	
Alumina ModulusI (A.M)	0.8	%	
Description:			

Date:

Q.C.Manager:

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ISO 9001:2008

ISO 14001:2004

OHSAS :18001:2007

