

Product Specification
Portland Cement Type I 52.5

Chemical Analysis		
Element	Unit	Factory Test Result
SiO ₂	%	21.30
Al ₂ O ₃	%	5.08
Fe ₂ O ₃	%	3.42
CaO	%	64.55
MgO	%	1.10
SO ₃	%	2.30
Insoluble Residue (IS)	%	0.14
Loss on Ignition (LOI)	%	1.50
Free Cao	%	0.90
K ₂ O	%	0.56
Na ₂ O	%	0.29
		100.10
Modulus	Unit	Factory Test Result
Lime Saturation Factor (LSF)	%	92.75
Silica Modulus (SM)	%	2.51
Alumina Modulus (AM)	%	1.49

Mineralogical Composition	Unit	Factory Test Result
C ₃ S	%	55.28
C ₂ S	%	19.36
C ₃ A	%	7.68
C ₄ AF	%	10.41

Note: This a typical specification. For your order, we'll send the specific one.

Physical Analysis		
Physical Properties	Unit	Factory Test Result
Setting Time (Vicat, Initial)	Minute	105
Setting Time (Vicat, Final)	Minute	175
Expansion (Autoclave)	%	0.03
Specific Surface Area (Blaine)	Cm ² /gr	3526
Residue on 90 μ sieve	%	0.2
Compressive Strength (1days)	Kg/cm ²	155
Compressive Strength (2days)	Kg/cm ²	285
Compressive Strength (3 days)	Kg/cm ²	370
Compressive Strength (7days)	Kg/cm ²	465
Compressive Strength (28 days)	Kg/cm ²	588

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