

TEST CERTIFICATE OF CLINKER

ASTM C-150 12 TYPE I

Date: 07/04/2020

Week No : '10/2020

Period: 01/03 - 07/03/2020

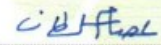
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CHEMICAL COMPOSITION

		<u>SPECIFICATION</u>	<u>RESULTS</u>
Loss on Ignition	(%)	Max. 1.00	0.34
Insoluble Residue	(%)	Max. 0.30	0.22
Silicon Dioxide	(SiO ₂) (%)		22.29
Aluminium Oxide	(Al ₂ O ₃) (%)		4.98
Ferric Oxide	(Fe ₂ O ₃) (%)		3.60
Calcium Oxide	(CaO) (%)		65.79
Magnesium Oxide	(MgO) (%)	Max. 2.00	1.59
Sulphur Trioxide	(SO ₃) (%)		0.40
Lime Saturation Factor	(L.S.F)		92.6
Tricalcium Silicate	(C ₃ S) (%)	Min. 50.0	51.7
Dicalcium Silicate	(C ₂ S) (%)		24.9
Tricalcium Aluminate	(C ₃ A) (%)		7.1
Tetracalcium Aluminoferrite	(C ₄ AF) (%)		10.9
Free Lime	(CaO _{free}) (%)	Max. 2.00	1.72
Total Alkalies	(Na ₂ O+0.658*K ₂ O) (%)		0.57
Chloride	(Cl) (%)	Max. 0.05	0.013
Size	0-5 mm (%)		32.7
	5-30 mm (%)		56.5
	> 30mm (%)		10.8
Litre weight	(gm/l)		1240
Moisture	(%)	Max. 0.50	Nil
Compressive Strength (@ Blaine 3250 cm ² /g)	3 Days	(psi) Min. 1740	3150
	7 Days	(psi) Min. 2760	4100
	28 Days	(psi)	5500

We certify that the specification & quality of clinker is suitable for production of ordinary portland cement type CEM I 42.5N according to EN 197-1:2011

WLB - 055 (08)


Chief Chemist