



ILAM CEMENT  
Date: 23-July-2020

IN THE NAME OF GOD  
ILAM CEMENT CO.

Quality Control Dept.

Chemical & Physical Analysis of Clinker Type I



CERTIFICADO N° / CERTIFICATE N°  
1170/CPR/CT.03584



DAILY QUALITY CERTIFICATE	Composition	REQUIREMENT			%Mass Fraction
		ACCORDING . TO			
		ISIRI 389	ASTM C150	EN 197-1	

**CHEMICAL ANALYSIS**

Loss on Ignition	%	LOI	Max 3.0	Max 3.0	Max 5.0	0.21
Silicon Dioxide	%	SiO2	-	-	-	22.15
Aluminium Oxide	%	Al2O3	-	-	-	5.68
Ferric Oxide	%	Fe2O3	-	-	-	4.15
Calcium Oxide	%	CaO	-	-	-	64.47
Magnesium Oxide	%	MgO	Max 5.00	Max 6.00	-	2.1
Sulfur Trioxide	%	SO3	Max3.5	Max3.5	Max3.5	0.35
Sodium Oxide	%	Na2O	-	-	-	0.21
Potassium Oxide	%	K2O	-	-	-	0.62
Chlorides	%	Cl	-	-	-	0.01
TOTAL		Total	-	-	-	99.95
Insoluble Residue	%	IR	Max 0.75	Max 1.5	Max 5.0	0.23
Free CaO	%	F.CaO	-	-	-	1.12
Lime Saturation Factor	%	LSF	-	-	-	90.27
Silica ration	%	SIM	-	-	-	2.25
Alumina ratio	%	ALM	-	-	-	1.37
Tricalcium Silicate	%	C3S	-	-	-	48.96
Dicalcium Silicate	%	C2S	-	-	-	26.59
Tricalcium Aluminate	%	C3A	-	-	-	8.03
Calcium Alumino Ferrite	%	C4AF	-	-	-	12.62
C3A + C3S	%	-	-	-	-	56.99
C4AF + 2C3A	%	-	-	-	-	28.68
Alkalies (Na2O+ 0.658 K2O)	%	-	-	-	-	0.62

**Phisical ANALYSIS**

Weight Liter	gr/l	-	-	-	1350
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