



GLOBALFUND TRADING XCHANGE

Specification of Products

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Clinker Specifications

ITEMS	UNITS	TEST METHODS	SPECIFICATIONS	RESULTS
CAO	%	ASTM C114-18	GREATER THAN OR EQUAL TO 65.00	65.71
SIO2	%	ASTM C114-18	LESS THAN OR EQUAL TO 22.50	21.52
AL2O3	%	ASTM C114-18	LESS THAN OR EQUAL TO 6.00	5.36
FE2O3	%	ASTM C114-18	LESS THAN OR EQUAL TO 4.00	3.09
MGO	%	ASTM C114-18	LESS THAN OR EQUAL TO 4.00	2.52
FREE LIME (F-CAO)	%	ASTM C114-18	LESS THAN OR EQUAL TO 1.50	0.73
SO3	%	ASTM C114-18	LESS THAN OR EQUAL TO 1.20	0.21
INSOLUBLE (IR)	%	ASTM C114-18	LESS THAN OR EQUAL TO 0.75	0.21
LOSS OF IGNITION (LOI)	%	ASTM C114-18	LESS THAN OR EQUAL TO 1.00	0.21
TOTAL ALKALIES	%	ASTM C114-18	LESS THAN OR EQUAL TO 0.80	0.62
CHLORIDE CONTENT	%	ASTM C114-18	LESS THAN OR EQUAL TO 0.10	0.006
C3S	%	ASTM C150/C150M-20	MIN 57.0	62.93
C2S	%	ASTM C150/C150M-20	MAX 22.5	14.23
C3A	%	ASTM C150/C150M-20	MAX 12.0	8.98
C4AF	%	ASTM C150/C150M-20	MAX 13.0	9.40
LIME SATURATION FACTOR	%	LMIN-HAPG-TST-WI-8008	MIN 92.00	95.44
MOISTURE OF CLINKER AVG	%	REFER ASTM D2216-2019	LESS THAN OR EQUAL TO 1.00	0.09
PARTICLE SIZE < 1 MM	%	LMIN-HAPG-TST-SOP-8119	LESS THAN OR EQUAL TO 20	2.34
PARTICLE SIZE 5MM - 25MM	%	LMIN-HAPG-TST-SOP-8119	GREATER THAN OR EQUAL TO 40	81.21



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