SINAI CEMENT
أسمنت سينا

QUALITY CERTIFICATE

Sinai Cement co. (Quality Control &Labs)

Portland Cement
Class: CEM I 42.5 N
QC Department

Specification: ES 4756-1:2022
Standard: BS EN 197-1:2011
EC-Certificate of Conformity 0770-CPR-2095-02-22

October-2025
To whom it may concern

We declare, based on the below analysis, that the cement covered by the certificate conforms to annex ZA of EN 197-1 with conformity established according to EN 197-2 as given in annex ZA of EN 197-1

Chemical Composition - Norm: EN196-2:2013		Results	Standard Requirements Maximum
Silicon Oxide	SiO_2	19.35%	
Aluminum Oxide	Al_2O_3	5.00%	
Ferric Oxide	Fe_2O_3	3.43%	
Calcium Oxide	CaO	62.00%	
Magnesium Oxide	Mgo	0.74%	
Sulphate	SO_3	3.27%	3.50%
Potassium Oxide	K_2O	0.21%	
Sodium Oxide	Na_2O	0.32%	
Chloride	Cl	0.037%	0.1%
Insoluble Residue	I.R	1.34%	5.0%
Loss On Ignition	LOI	4.53%	5.0%
Free Lime	F.L	1.55%	
Chromium Hexavalent	Cr+6	1.15	

Physical and Mechanical Properties Compressive Strength - Norm: EN196-1:2016	Results	Standard Requirements Minimum
2 days	17.4	10.0 Mpa
28 days	47.50	42.5 Mpa

Setting Time-Norm: EN196-3:2016	Results	Standard Requirements
Initial Time	170	60 minutes minimum (min)
Final Time	03:20	Hours
Standard Consistency	27.10	%
Expansion	1.0	10 mm maximum

Setting Time-Norm: EN196-6:2018	Results	Standard Requirements
Fineness by Blaine	3221.0	cm^2/g

All the Above chemical,mechanicalandphysicalanalysiscomplywiththeabove-mentionedstandard requirements
Calculation method.