

CERTIFICATION

We certify the cement described here, at the time of shipment, meets chemical and physical requirements of the current ASTM C150 specifications for Type I/II. We are not responsible for improper use or workmanship.

Type: White Portland Cement C150 Type I

Manufacturer: Sesco El Minya, Egypt

Production Period:

Beginning December 29, 2023

Ending _____

CHEMICAL			PHYSICAL		
Item	ASTM C 150 Spec. Limit	Test Result	Item	ASTM C 150 Spec. Limit	Test Result
SiO ₂ (%)	-	22.97	Air Content of Mortar (volume%)	12 maximum	9.10
Al ₂ O ₃ (%)	-	2.56	Blaine Fineness (m ² /kg) **	260 minimum	390.8
Fe ₂ O ₃ (%)	-	0.201	Autoclave Expansion	0.80 maximum	0.050
CaO (%)	-	66.98	C 1038 Mortar bar expansion (%)	0.020 max	
MgO (%)	6.0 maximum	0.34	Time of Setting (minutes)		
SO ₃ (%)	3.5 *	2.90	Initial	Not less than 45	190
Na ₂ O (%)	-	0.19	Final	Not more than 375	235
K ₂ O (%)	-	0.08	Compressive Strength		
Equivalent Alkalies (%)	minimum maximum	- -	1 Day (psi)	-	
Ignition Loss (%)	3.5 maximum	2.65	3 Day (psi) minimum	(1,740)	4,902
Insoluble Residue (%)	1.5 maximum	0.65	7 Day (psi) minimum	(2,760)	6,251
C ₃ A (%)	-	-	28 Day (psi) minimum	(4,060)	
C ₃ S (%)	-	-			
C ₂ S (%)	-	-			
C ₄ AF (%)	-	-			

* When (C₃A) is more than 8% the SO₃ limit is not applicable. If Limestone is added it is 3.5%.

** Maximum fineness limits do not apply if the sum of C₃S + 4.75C₃A is less than or equal to 90.

Signature:

Ali Medjaouri

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Title:

Technical Quality Manager