



Consulting Engineering Bureau & Laboratories

مكتب معامل الإستشارات الهندسية

**Company:**

**Sinai Cement Factory**

Delivery Date : 22/12/2021  
Source : Sinai Cement Co.  
Type of cement : CEM I 52.5  
Report No. : 01

**Results of Physical Analysis of Cement**

**Limits as per**

**Egyptian code 4756-1/2006**

**Compressive Strength Of Mortar Cubes (Egyptian code 4756-1/2006)**

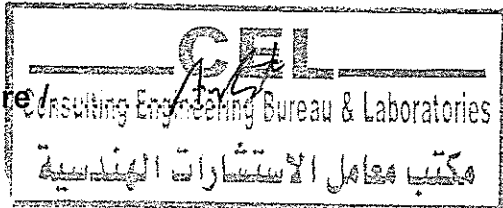
<u>Age (days)</u>	<u>Compressive Strength</u>	<u>Egyptian code Limits (MPa)</u>
2	21.30	20.0 (Min.)
28	56.60	52.5 (Min.)

**Setting Time By Vicate Apparatus (Egyptian code 4756-1/2006)**

• Initial Setting Time	165	45 minute (Min.)
• Final Setting Time	275	*****

The Test Results is (  Comply -  Not Comply) with Spec. Limits

Signature





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**Company:**

**Sinai Cement Factory**

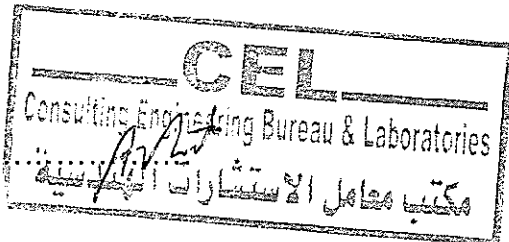
Delivery Date : 22/12/2021  
Source : Sinai Cement Co.  
Type of cement : CEM I 52.5  
Report No. : 02

**RESULTS OF CHEMICAL ANALYSIS OF CEMENT**  
**Egyptian code**

Element	Results (%)	Egyptian code 4756-1/2006 Max limits
		<u>CEM I</u>
Magnesium Oxide (MgO)	1.511	---
Sulfur Trioxide (SO <sub>3</sub> )	1.146	4.0
Loss on Ignition	4.803	5.0
Insoluble Residue	1.008	5.0

The Test Results is (  Comply -  Not Comply ) with Spec. Limits

Signature /





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Company:

**Sinai Cement Factory**

Delivery Date : 22/12/2021  
Source : Sinai Cement Co.  
Type of cement : CEM I 42.5  
Report No. : 03

**Results of Physical Analysis of Cement**

Limits as per  
Egyptian code 4756-1/2006

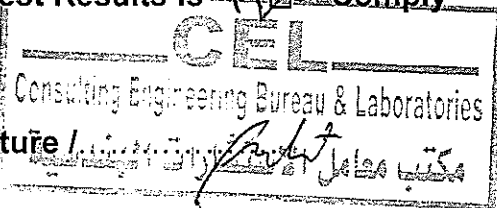
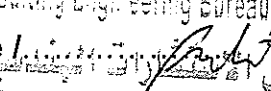
**Compressive Strength Of Mortar Cubes (Egyptian code 4756-1/2006)**

Age (days)	Compressive Strength	Egyptian code Limits (MPa)
2	11.60	10.0 (Min.)
28	45.60	42.5 (Min.)

**Setting Time By Vicate Apparatus (Egyptian code 4756-1/2006)**

• Initial Setting Time 140 45 minute (Min.)  
• Final Setting Time 200 \*\*\*\*\*

The Test Results is (  Comply ) -  Not Comply) with Spec. Limits

  
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Company:

**Sinai Cement Factory**

Delivery Date : 22/12/2021  
Source : Sinai Cement Co.  
Type of cement : CEM I 42.5  
Report No. : 04

**RESULTS OF CHEMICAL ANALYSIS OF CEMENT**

Egyptian code

Element	Results (%)	Egyptian code 4756-1/2006 Max limits
		<u>CEM I</u>
Magnesium Oxide (MgO)	1.487	---
Sulfur Trioxide (SO <sub>3</sub> )	2.417	3.5
Loss on Ignition	4.380	5.0
Insoluble Residue	1.066	5.0

The Test Results is (  Comply -  Not Comply ) with Spec. Limits



Signature