FINAL TEST REPORT

TF (07-08-02.02)

Q.F Issue date: 13/01/2025 Q.F Issue #: 3/1

Ref	: **EGMIN260204-10**	**Issue Date**		**15/07/2026**
Received	: **17/06/2026**	**Analysis Dates**	**2 Days**	**19/06/2026**
			7 Days	**----------**
			28 Days	**15/07/2026**
Lab Customer	: **TUV back-office**	**Adress:** Vella 1 Youssef Elshazly st. from Sorya st. Roshdy		
Sampled by	: □ TUV Operation team	**√ Client**		□ Other
Type of sample:	: **CEMENT**			
Approx. Weight:	: **5 Kg**			
Packaging:	: **Plastic bag and not sealed with TUV seal,**			
Vessel	: **------**	**Booking No.:**	**CEM I 42.5 N**	
Others:	: Sub Lot / Composite / **Received**/ Retained			
Received condition	: **Code (S4)**			
Ex. Client name	: **ARABIAN CEMENT**	**Producers**	**ARABIAN CEMENT**	
Traceable to	: 1. Analysis balance #Inv. CEM008 5- Compressive Strength #Inv. CEM002 2. Muffle #Inv. C004 6- Jolting Table #Inv. CEM004 3. Oven #Inv. C006 7- Mixer machine #Inv. CEM007 4. XRF #Inv. C021 8- Humidity cabinet #Inv. CEM001			
Lab. Room	: Temperature (**20 ^{0} C**)	Humidity (**50**)		

Test results

Ser.	Test Name	Specs	Results	Unit	Ref./issue year
1	SiO_2		**19.19**	%	EN 196-2 2013
2	Al_2O_3		**5.66**	%	EN 196-2 2013
3	Fe_2O_3		**4.95**	%	EN 196-2 2013
4	CaO		**60.32**	%	EN 196-2 2013
5	MgO		**3.01**	%	EN 196-2 2013
6	SO_3		**3.22**	%	EN 196-2 2013
7	K_2O		**0.23**	%	EN 196-2 2013
8	Na_2O		**0.36**	%	EN 196-2 2013
9	Cl		**0.07**	%	EN 196-2 2013
10	L.O.I		**2.82**	%	EN 196-2 2013
11	Insoluble Residue		**1.57**		EN 196-2 2013
12	Cr^{+6}		**1.73**	ppm	EN 196-2 2013
13	Free Lime		**0.90**		In House Method

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The information stated in this report (or certificate) is derived from the results of inspection or testing procedures carried out in accordance with the instructions of our client, and/or our assessment of such results on the basis of any technical standards, trade custom or practice,

This report reflects results only of the standards or procedures identified to tests conducted & are limited to the samples tested.

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Back-office

K25 Cairo/Alex Road, Merghim, Behind Toyota, Alexandria, Egypt
Tel. 03 47 00181
Central Laboratory

City Star October – Building no. 2 Third floor 6 of October City, Egypt
Food Laboratory

Physical Analysis							
1	Blaine			**3929**	cm^2/g	EN 196-6 :2018	
Mechanical Analysis							
1	Compressive Strength 2d		20.00Min	**19.61**	N / mm^2	EN 196-1 2016	
1'	**20.03**	**19.66**	**19.52**	**19.39**		**19.63**	**19.44**
2	Compressive Strength 7d			**-----**	N / mm^2	EN 196-1 2016	
2'	-----	-----	-----	-----		-----	-----
3	Compressive Strength 28d			**47.48**	N / mm^2	EN 196-1 2016	
3'	**47.66**	**47.36**	**47.52**	**47.19**		**47.69**	**47.46**
4	Water Consistency			**28.80**	%	EN 196-3 2016	
5	Initial Setting Time		60 Min	**160**	min	EN 196-3 2016	
6	Final Setting Time			**195**	min	EN 196-3 2016	
7	Soundness		10.00Max	**0.67**	mm	EN 196-3 2016	

Conclusion/ Remarks/ Recommendation:

1. ……
2. ……

----------End of Report----------

Reviewed by Lab Chemist: Omar Mersal

Approved by Lab Manager: Ahmed Osama

Cargo Inspection TUV AUSTRIA LAP 003

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