# FINAL TEST REPORT

TF (07-08-02.02)

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

| | | | | |
|---|---|---|---|---|
| **Ref** | : **EGMIN260204-9** | **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 IV / A 42.5 N SR** |
| **Others:** | : Sub Lot / Composite / **Received**/ Retained | | | |
| **Received condition** | : **Code (S3)** | | | |
| **Ex. Client name** | : **ARABIAN CEMENT** | **Producers** | | **ARABIAN CEMENT** |
| **Traceable to** | : 1. Analysis balance #Inv. CEM008 5- Compressive Strength #Inv. CEM002<br>2. Muffle #Inv. C004 6- Jolting Table #Inv. CEM004<br>3. Oven #Inv. C006 7- Mixer machine #Inv. CEM007<br>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 | $SiO_2$ | | **23.25** | % | EN 196-2 2013 |
| 2 | $Al_2O_3$ | | **7.37** | % | EN 196-2 2013 |
| 3 | $Fe_2O_3$ | | **6.31** | % | EN 196-2 2013 |
| 4 | CaO | | **52.36** | % | EN 196-2 2013 |
| 5 | MgO | | **3.29** | % | EN 196-2 2013 |
| 6 | $SO_3$ | | **2.91** | % | EN 196-2 2013 |
| 7 | $K_2O$ | | **0.32** | % | EN 196-2 2013 |
| 8 | $Na_2O$ | | **0.62** | % | EN 196-2 2013 |
| 9 | Cl | | **0.06** | % | EN 196-2 2013 |
| 10 | L.O.I | | **3.21** | % | EN 196-2 2013 |
| 11 | Insoluble Residue | | **11.27** | % | EN 196-2 2013 |
| 12 | $Cr^{+6}$ | | **1.75** | ppm | EN 196-2 2013 |
| 13 | Free Lime | | **0.98** | % | In House Method |

**This report** is issued by the Company under its General Conditions for Inspection and Testing Services (copy available upon request). The issuance of this report does not exonerate buyers or sellers from exercising all their rights and discharging all their liabilities under the Contract of Sale. Except by special arrangement, samples, if drawn, will not be retained by the Company for more than three months. Although the lab is not responsible for the sampling stage, it is not stated in test reports that the results apply to the sample as received. The lab doesn't state its responsibly for all the information provided

**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.



Courtyard Complex, Sheikh Zayed Cairo, Egypt
Tel. 062 3 218 985
Head office - Licensee No. 13822

Vella 1 Youssef Elshazly st. from Sorya st. Roshdy Alexandria, Egypt - Tel.+2 035421599
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 | | | **4263** | $cm^2/g$ | EN 196-6 :2016 |
| **Mechanical Analysis** | | | | | | |
| 1 | Compressive Strength 2d | | 20.00Min | **20.30** | $N / mm^2$ | EN 196-1 2017 |
| 1' | **20.21** | **20.43** | **20.51** | **20.03** | **20.31** | **20.30** |
| 2 | Compressive Strength 7d | | | **-----** | $N / mm^2$ | EN 196-1 2017 |
| 2' | ----- | ----- | ----- | ----- | ----- | ----- |
| 3 | Compressive Strength 28d | | | **44.94** | $N / mm^2$ | EN 196-1 2017 |
| 3' | **44.61** | **44.89** | **44.92** | **45.19** | **44.86** | **45.14** |
| 4 | Water Consistency | | | **29.60** | % | EN 196-3 2016 |
| 5 | Initial Setting Time | | 60 Min | **155** | min | EN 196-3 2016 |
| 6 | Final Setting Time | | | **195** | min | EN 196-3 2016 |
| 7 | Soundness | | 10.00Max | **0.69** | 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

**This report** is issued by the Company under its General Conditions for Inspection and Testing Services (copy available upon request). The issuance of this report does not exonerate buyers or sellers from exercising all their rights and discharging all their liabilities under the Contract of Sale. Except by special arrangement, samples, if drawn, will not be retained by the Company for more than three months. Although the lab is not responsible for the sampling stage, it is not stated in test reports that the results apply to the sample as received. The lab doesn't state its responsibly for all the information provided

**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.



Courtyard Complex, Sheikh Zayed
Cairo, Egypt
Tel. 062 3 218 985
Head office - Licensee No. 13822

Vella 1 Youssef Elshazly st. from Sorya st. Roshdy Alexandria, Egypt - Tel.+2 035421599
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