



اسمنت البادية (ش.م.م.)  
AL BADIA CEMENT (JSC)

# CEMENT QUALITY CERTIFICATE

|                   |                                    |                                    |                  |
|-------------------|------------------------------------|------------------------------------|------------------|
| ● Cement Name:    | Portland-pozzolana Cement          | إسمنت بورتلاندي بوزولاني           | ● اسم الإسمنت:   |
| ● Cement Type:    | CEM II/A-P                         | CEM II/A-P                         | ● نوع الإسمنت:   |
| ● Strength Class: | 42.5 N                             | 42.5 N                             | ● رتبة المقاومة: |
| ● Complies With:  | BS EN197-1:2011 / S.N.S: 3800:2015 | BS EN197-1:2011 / S.N.S: 3800:2015 | ● يتوافق مع:     |
| ● Dispatch Date:  | From 09.07.2026 to 15.07.2026      | من ٢٠٢٦/٠٧/١٥ إلى ٢٠٢٦/٠٧/٠٩       | ● تاريخ الشحن:   |

## STANDARD COMPOSITION REQUIREMENTS

### CHEMICAL COMPOSITION

Test Method S.N.S 75:1998

| Test Results       |                                    |       | Standard Requirements |
|--------------------|------------------------------------|-------|-----------------------|
| Silicon Dioxide,   | SiO <sub>2</sub> (%)               | 22.01 |                       |
| Aluminum Trioxide, | Al <sub>2</sub> O <sub>3</sub> (%) | 5.57  |                       |
| Ferric Oxide,      | Fe <sub>2</sub> O <sub>3</sub> (%) | 4.42  |                       |
| Calcium Oxide,     | CaO (%)                            | 57.28 |                       |
| Magnesium Oxide,   | MgO (%)                            | 3.75  |                       |
| Sulfur Trioxide,   | SO <sub>3</sub> (%)                | 2.75  | Confirmed ≤ 3.5       |
| Potassium Oxide    | K <sub>2</sub> O (%)               | 0.50  |                       |
| Sodium Oxide       | Na <sub>2</sub> O (%)              | 0.41  |                       |
| Chloride,          | Cl (%)                             | 0.029 | Confirmed ≤ 0.1       |
| Insoluble Residue, | IR (%)                             | 1.76  |                       |
| Loss On Ignition,  | LOI (%)                            | 1.97  |                       |
| Pozzolanicity      |                                    | ...   |                       |

## PHYSICAL AND MECHANICAL PROPERTIES

### COMPRESSIVE STRENGTH

Test Method S.N.S 1674:1989

| Test Results |                      |      | Standard Requirements   |
|--------------|----------------------|------|-------------------------|
| 2 days       | (N/mm <sup>2</sup> ) | 21.7 | Confirmed ≥ 10          |
| 7 days       | (N/mm <sup>2</sup> ) | 41.9 |                         |
| 28 days      | (N/mm <sup>2</sup> ) | 51.6 | Confirmed ≥ 42.5 ≤ 62.5 |

### SETTING TIME

Test Method S.N.S 1675:1996

| Test Results         |           |      | Standard Requirements |
|----------------------|-----------|------|-----------------------|
| Initial Setting Time | (minutes) | 240  | Confirmed ≥ 60        |
| Final Setting Time   | (minutes) | 350  |                       |
| Standard Consistency | (%)       | 30.0 |                       |

### SOUNDNESS

Test Method S.N.S 1675:1996

| Test Results |      |     | Standard Requirements |
|--------------|------|-----|-----------------------|
| Expansion    | (mm) | 1.1 | Confirmed ≤ 10        |

### FINESS

Test Method S.N.S 1973/43:1996

| Test Results     |  |      | Standard Requirements |
|------------------|--|------|-----------------------|
| Specific Surface |  | 3044 |                       |

Al Badia Cement Company Certify all the Above chemical, mechanical and physical analysis comply with the above mentioned standard requirements.

The product will be stored in suitable conditions of humidity and temperature and the cement bags will be stored above the ground, but not more than eight vertical bags.



Quality Manager

Omar Rahmoun

Optimization Manager

MHD Mustafa Ramadan

Plant Director

Ali Hayder

Address: AL BADIA CEMENT (jsc) Yaafour ,8th Gate, Roya 4, 2nd floor, P.O.Box : 34330 Damascus - Syria

Telephone: +963 11 2118562 Fax: +963 11 2140095 Website: www.albadiacement.com