

**CEMENTOS ALFA, S.A.**

**PLANT: MATAPORQUERA**

ER Certificate: ER-0572/1998



**TECHNICAL CHARACTERISTICS CERTIFICATE**

**Cement**

**CEM II/A-L 42,5 R BS-EN 197-1**

N: 015/002144  
CE: 0099/CPR/A33/1061

**Period**

**August, 2026**

| TESTS                                          | Results<br>Average Value | Standard<br>Spec. EN/UNE |
|------------------------------------------------|--------------------------|--------------------------|
| <b>Chemical Characteristics</b>                |                          |                          |
| Loss on Ignition %                             |                          |                          |
| Insoluble Residue %                            |                          |                          |
| Sulphates (SO <sub>3</sub> ) %                 | 3,5                      | < 4,0                    |
| Chlorides %                                    | 0,06                     | < 0,10                   |
| <b>Physical and Mechanical Characteristics</b> |                          |                          |
| Normal Consistency Water %                     | 29,4                     |                          |
| Initial Setting Time min                       | 171                      | > 60                     |
| Final Setting Time min                         | 225                      | < 720                    |
| Soundness Le Chatelier mm                      | 0,0                      | < 10                     |
| Specific Surface (Blaine) cm <sup>2</sup> /g   | 4594                     |                          |
| Compressive Strength at 2 days MPa             |                          |                          |
| • Monthly average                              | 31,1                     | > 20,0                   |
| • Cumulative average (09/2025 - 08/2026)       | 30,3                     | > 20,0                   |
| • Cumulative Std. Dev. (09/2025 - 08/2026)     | 1,5                      |                          |
| Compressive Strength at 28 days MPa            |                          |                          |
| • Monthly average                              | 55,2                     | 42,5 - 62,5              |
| • Cumulative average (09/2025 - 08/2026)       | 55,8                     | 42,5 - 62,5              |
| • Cumulative Std. Dev. (09/2025 - 08/2026)     | 2,2                      |                          |
| <b>Additional Characteristics</b>              |                          |                          |
| C3A * (%)                                      | 9,3                      |                          |
| Alkali Equivalent (%)                          | 0,76                     |                          |

\* Corresponding to clinker composition

This document doesn't imply that any amount of cement has been supplied by the Company

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Chief of Quality Control

