

**CEMENTOS ALFA, S.A.****PLANT: MATAPORQUERA**

ER Certificate: ER-0572/1998

**TECHNICAL CHARACTERISTICS CERTIFICATE****Cement****CEM I 52,5 N (ma)****Period****August, 2026**

CE: 0099/CPR/A33/1148

| TESTS                                          | Results<br>Average Value | Standard<br>Spec. EN/UNE |
|------------------------------------------------|--------------------------|--------------------------|
| <b>Chemical Characteristics</b>                |                          |                          |
| Loss on Ignition %                             | 2,6                      | < 5,0                    |
| Insoluble Residue %                            | 0,5                      | < 5,0                    |
| Sulphates (SO <sub>3</sub> ) %                 | 3,2                      | < 4,0                    |
| Chlorides %                                    | 0,04                     | < 0,10                   |
| <b>Physical and Mechanical Characteristics</b> |                          |                          |
| Normal Consistency Water %                     | 30,3                     |                          |
| Initial Setting Time min                       | 187                      | > 45                     |
| Final Setting Time min                         | 232                      | < 720                    |
| Soundness Le Chatelier mm                      | 0,3                      | < 10                     |
| Specific Surface (Blaine) cm <sup>2</sup> /g   | 4518                     |                          |
| Compressive Strength at 2 days MPa             |                          |                          |
| • Monthly average                              | 35,5                     | > 20,0                   |
| • Cumulative average (09/2025 - 08/2026)       | 35,9                     | > 20,0                   |
| • Cumulative Std. Dev. (09/2025 - 08/2026)     | 1,8                      |                          |
| Compressive Strength at 28 days MPa            |                          |                          |
| • Monthly average                              | 62,4                     | > 52,5                   |
| • Cumulative average (09/2025 - 08/2026)       | 61,8                     | > 52,5                   |
| • Cumulative Std. Dev. (09/2025 - 08/2026)     | 1,8                      |                          |
| <b>Additional Characteristics</b>              |                          |                          |
| C3A * (%)                                      | 3,3                      |                          |
| Alkali Equivalent (%)                          | 0,67                     | < 0,75                   |

\* 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



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