

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

ER Certificate: ER-0572/1998

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

CE: 0099/CPR/A33/1148

TESTS	Results Average Value	Standard Spec. EN/UNE
Chemical Characteristics		
Loss on Ignition %	2,5	< 5,0
Insoluble Residue %	0,6	< 5,0
Sulphates (SO ₃) %	3,3	< 4,0
Chlorides %	0,04	< 0,10
Physical and Mechanical Characteristics		
Normal Consistency Water %	30,4	
Initial Setting Time min	142	> 45
Final Setting Time min	181	< 720
Soundness Le Chatelier mm	0,6	< 10
Specific Surface (Blaine) cm ² /g	4514	
Compressive Strength at 2 days MPa		
• Monthly average	36,8	> 20,0
• Cumulative average (05/2025 - 04/2026)	35,7	> 20,0
• Cumulative Std. Dev. (05/2025 - 04/2026)	1,5	
Compressive Strength at 28 days MPa		
• Monthly average	60,7	> 52,5
• Cumulative average (05/2025 - 04/2026)	61,5	> 52,5
• Cumulative Std. Dev. (05/2025 - 04/2026)	1,9	
Additional Characteristics		
Alkali Equivalent (%)	0,66	< 0,75

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

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Chief of Quality Control

**GRUPO
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