



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, 2025

TESTS	Results Average Value	Standard Spec. EN/UNE
Chemical Characteristics		
Loss on Ignition %		
Insoluble Residue %		
Sulphates (SO ₃) %	3,2	< 4,0
Chlorides %	0,06	< 0,10
Physical and Mechanical Characteristics		
Normal Consistency Water %	29,6	
Initial Setting Time min	174	> 60
Final Setting Time min	231	< 720
Soundness Le Chatelier mm	0,5	< 10
Specific Surface (Blaine) cm ² /g	4451	
Compressive Strength at 2 days MPa		
• Monthly average	29,5	> 20,0
• Cumulative average (09/2024 - 08/2025)	30,8	> 20,0
• Cumulative Std. Dev. (09/2024 - 08/2025)	1,7	
Compressive Strength at 28 days MPa		
• Monthly average	53,2	42,5 - 62,5
• Cumulative average (09/2024 - 08/2025)	55,6	42,5 - 62,5
• Cumulative Std. Dev. (09/2024 - 08/2025)	2,0	
Additional Characteristics		
C3A + C4AF * (%)	7,0	
Alkali Equivalent (%)	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
CEMENTOS
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