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

ER Certificate: ER-0572/1998

TECHNICAL CHARACTERISTICS CERTIFICATE

Cement

CEM I 52,5 N (ma)

Period

September, 2026

CE: 0099/CPR/A33/1148

TESTS		Results Average Value	Standard Spec. EN/UNE
Chemical Characteristics			
Loss on Ignition	%	2,9	< 5,0
Insoluble Residue	%	0,6	< 5,0
Sulphates (SO_3)	%	3,1	< 4,0
Chlorides	%	0,04	< 0,10
Physical and Mechanical Characteristics			
Normal Consistency Water	%	30,4	
Initial Setting Time	min	201	> 45
Final Setting Time	min	246	< 720
Soundness Le Chatelier	mm	0,4	< 10
Specific Surface (Blaine)	cm^2/g	4470	
Compressive Strength at 2 days	MPa		
• Monthly average		33,6	> 20,0
• Cumulative average (10/2025 - 09/2026)		35,8	> 20,0
• Cumulative Std. Dev. (10/2025 - 09/2026)		1,8	
Compressive Strength at 28 days	MPa		
• Monthly average		62,3	> 52,5
• Cumulative average (10/2025 - 09/2026)		61,9	> 52,5
• Cumulative Std. Dev. (10/2025 - 09/2026)		1,9	
Additional Characteristics			
C3A *	(%)	3,2	
Alkali Equivalent	(%)	0,65	< 0,75

* Corresponding to clinker composition

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

Chief of Quality Control

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GRUPO CEMENTOS PORTLAND VALDERRIVAS