Cementos Portland Valderrivas, S.A. **PLANT: MONJOS**

ER Certificate: ER-0675/1999

TECHNICAL CHARACTERISTICS CERTIFICATE

Cement

III/A 42,5 N/SRC
CEM III/A-S 42,5 N

N: 015/002303
CE: 0099/CPR/A33/1258

Period

August, 2026

TESTS		Results Average Value	Standard Spec. EN/UNE
Chemical Characteristics			
Loss on Ignition	%	2,4	< 5,0
Insoluble Residue	%	1,3	< 5,0
Sulphates (SO_3)	%	3,2	< 4,0
Chlorides	%	0,04	< 0,10
Physical and Mechanical Characteristics			
Normal Consistency Water	%	31,5	
Initial Setting Time	min	176	> 60
Final Setting Time	min	261	
Soundness Le Chatelier	mm	0,2	< 10
Specific Surface (Blaine)	cm^2/g	5018	
Compressive Strength at 2 days	MPa		
• Monthly average		21,9	> 13,5
• Cumulative average (09/2025 - 08/2026)		21,4	> 13,5
• Cumulative Std. Dev. (09/2025 - 08/2026)		2,2	
Compressive Strength at 28 days	MPa		
• Monthly average		56,9	42,5 - 62,5
• Cumulative average (09/2025 - 08/2026)		57,4	42,5 - 62,5
• Cumulative Std. Dev. (09/2025 - 08/2026)		2,1	
Additional Characteristics			
C3A *	(%)	5,9	< 8,0
C3A + C4AF *	(%)	17,1	< 22,0

* 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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GRUPO CEMENTOS PORTLAND VALDERRIVAS