

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

May, 2026

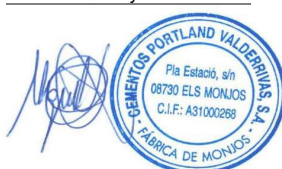
TESTS	Results Average Value	Standard Spec. EN/UNE
Chemical Characteristics		
Loss on Ignition %	2,3	< 5,0
Insoluble Residue %	0,7	< 5,0
Sulphates (SO ₃) %	3,3	< 4,0
Chlorides %	0,02	< 0,10
Physical and Mechanical Characteristics		
Normal Consistency Water %	32,0	
Initial Setting Time min	188	> 60
Final Setting Time min	288	
Soundness Le Chatelier mm	0,3	< 10
Specific Surface (Blaine) cm ² /g	5033	
Compressive Strength at 2 days MPa		
• Monthly average	21,1	> 13,5
• Cumulative average (06/2025 - 05/2026)	20,8	> 13,5
• Cumulative Std. Dev. (06/2025 - 05/2026)	2,3	
Compressive Strength at 28 days MPa		
• Monthly average	57,7	42,5 - 62,5
• Cumulative average (06/2025 - 05/2026)	57,0	42,5 - 62,5
• Cumulative Std. Dev. (06/2025 - 05/2026)	2,2	
Additional Characteristics		
C3A * (%)	6,2	< 8,0
C3A + C4AF * (%)	17,4	< 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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