



VIETTEL GROUP

CAMPHA CEMENT JOINT STOCK COMPANY
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CERTIFICATE OF QUALITY

CONFIRMING THE SPECIFICATION AND QUALITY OF THE COMMODITY WITH Australian Standard AS 3972 : 2010				
Product: High early strength cement (Type HE)			Silo/No: 1	
Importer:			Date of production: 21/05/2025	
Brands:			Date of testing: 23/05/2025	
TEST RESULTS				
No	DESCRIPTION OF TEST	METHOD OF TEST	SPECCIFICATION REQUIREMENTS AS 3972 - 2010	TEST RESULTS
1	Chemical Composition			%
	SiO2	AS 2350.2	N/R	20,18
	Al2O3	AS 2350.2	N/R	5,08
	Fe2O3	AS 2350.2	N/R	3,19
	CaO	AS 2350.2	N/R	63,62
	MgO	AS 2350.2	N/R	1,26
	SO3	AS 2350.2	3,5% Maximum	2,06
	Loss on Ignition	AS 2350.2	N/R	2,92
	Chloride	ASTM C114	0,1% Maximum	0,02
	Na2O equivalent	AS 2350.2	N/R	0,61
2	Normal Consistency	AS 2350.3	N/R	% Water 28,4
3	Setting Times	AS 2350.4		Minutes
	Initial set		45 min Minimum	110
	Final set		360 min Maximum	190
4	Soundness	AS 2350.5	5 mm Maximum	2,0 mm
5	Fineness			
	Surface Area	AS 2350.8	N/R	365 m²/kg
	45µm Residue	AS 2350.9	N/R	3,6 %
6	Compressive Strength	AS 2350.11	Mpa Minimum	Mpa
	3 Days		25	33,6
	7 Days		40	45,8
	28 Days		N/A	56,4

TESTED BY

Nguyễn Thị Phương

CHECKED BY

Vũ Việt Văn

Cam Pha, June 24th, 2025
CAMPHA CEMENT JOINT STOCK COMPANY
(AS CEMENT FACTORY)



Thượng tá Ngô Thế Hưng