



ABN 50 006 673 470

Cement Test Certificate

Final

Lot 242 Russell Road East,
Munster WA 6166
PO Box 38, Hamilton Hill WA 6963
T: +61 8 9411 1000
F: +61 8 9411 1150
www.cockburncement.com.au

Product Certified: Type HE High Early Strength Cement
Test Certificate Number: 230175
Customer: Cockburn Cement, Munster Plant, WA
Sample Code: B09a0a3
Sample Date: 04/04/2023

Nominal Blend	Requirements	Result
Clinker		>90 %
Ground Granulated Iron Blast-Furnace Slag		Nil
Mineral Addition	Max 7.5 %	<5 %
Calcium Sulphate		5%
Minor Additional Constituents	Max 5 %	Nil

Reportable Property	Test Method	Requirements of AS3972	Result
3 Day Strength	AS/NZS2350.11	Min 25.0 MPa	44.5 MPa
7 Day Strength	AS/NZS2350.11	Min 40.0 MPa	56.7 MPa
28 Day Strength	AS/NZS2350.11	N/R	66.7 MPa
Initial Set Time	AS/NZS2350.4	Min 45 min	120 min
Final Set Time	AS/NZS2350.4	Max 360 min	165 min
Soundness	AS/NZS2350.5	Max 5 mm	0 mm
Sulfuric Anhydride content (SO ₃)	AS2350.2	Max 3.5 %	2.9 %
Chloride Ion	BH-TM-0507	Max 0.10 %	0.024 %

Other Properties

SiO ₂	AS2350.2	N/R	19.1 %
Al ₂ O ₃	AS2350.2	N/R	5.5 %
Fe ₂ O ₃	AS2350.2	N/R	2.9 %
CaO	AS2350.2	N/R	62.9 %
MgO	AS2350.2	N/R	1.5 %
Na ₂ O Equivalent	AS2350.2	N/R	0.6 %
Loss on Ignition	AS2350.2	N/R	3.2 %
Fineness Index	AS/NZS2350.8	N/R	440 m ² /kg
Normal Consistency	AS/NZS2350.3	N/R	29.8 %

This document shall not be reproduced except in full.

REMARKS

These test result apply specifically to the sample as received at the Adelaide Brighton Cement Birkenhead Laboratory (Accreditation number: 252), 62 Elder Rd Birkenhead SA 5015.

This despatch grab sample complies to the requirements of AS3972:2010, Type HE Cement.

N/R = No Requirement



Accredited for compliance with ISO/IEC 17025 - Testing.

Approved Signatory

M. Wythe

Issue Date: 12/05/2023