

AB

Cement Test Certificate

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N 22	009	593	515	

Final

Type LH Low Heat Cement

Product Certified:

		.,pe==		
	Test Certificate Numbe	r: 170126		
	Produced At:	Northern C	Cement, Darwin Plant, NT	
	Sample Code:	B0593f4		
	Sample Date:	13/04/201	7	
Nominal Bl	end		Requirements	Result
Clinker				30%
Ground Granulated Iron Blast-Furnac	ce Slag			65%
Mineral Addition			Max 7.5 %	Nil
Calcium Sulphate				<5 %
Minor Additional Constituents			Max 5 %	Nil
Reportable Property			Requirements of	Decult
		est Method	AS3972	Result
3 Day Strength		AS2350.11	N/R	14.5 MPa
7 Day Strength		AS2350.11	Min 10.0 MPa	26.3 MPa
28 Day Strength		AS2350.11	Min 30.0 MPa	48.6 MPa
Initial Set Time		AS2350.4	Min 45 min	165 min
Final Set Time		AS2350.4	Max 600 min	255 min
Soundness		AS2350.5	Max 5 mm	1 mm
Sulfuric Anhydride content (S	O ₃)	AS3583.8	Max 3.5 %	2.2 %
Chloride Ion		A\$3583.13	Max 0.10 %	0.006 %
Peak Temp Rise		AS2350.7	Max 23 °C	19.9°C
Other Properties				
SiO ₂		AS2350.2	N/R	27.8 %
Al ₂ O ₃		AS2350.2	N/R	9.8 %
Fe ₂ O ₃		AS2350.2	N/R	1.9 %
CaO		AS2350.2	N/R	51.2 %
MgO		AS2350.2	N/R	4.0 %

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AS2350.2

AS2350.2

AS2350.8

AS2350.3

REMARKS

Na₂O Equivalent

Loss on Ignition

Fineness Index

Normal Consistency

These test results apply specifically to the above designated sample as received for the date shown.

Adelaide Brighton Cement Birkenhead Laboratory (Accredited number: 252), 62 Elder Rd Birkenhead 5015, is responsible for testing in accordance with AS2350.2:2006, AS2350.8:2006, AS3583.8:1991 and AS3583.13:1991.

Adelaide Brighton Cement Angaston Laboratory (Accredited number: 73), Stockwell Rd Angaston 5353, is responsible for testing in accordance with AS2350.3:2006, AS2350.4:2006, AS2350.5:2006, AS2350.7:2006, AS2350.11:2006 and AS2350.12:2006.

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

N/R = No Requirement



Accredited for compliance with ISO/IEC 17025 - Testing. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Approved Signatory F. Pope

0.5 %

0.6 %

32.8 %

380 m²/kg

Issue Date: 27/06/2017

N/R

N/R

N/R

N/R