

## **Cement Test Certificat** Final

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Reportable Property Tes	t Method Requirements of	Pocult	
Minor Additional Constituents	Max 5 %	Nil	
Calcium Sulphate		<5 %	
Mineral Addition	Max 7.5 %	Nil	
Ground Granulated Iron Blast-Furnace Slag		65%	
Clinker		30%	
Nominal Blend	Requirements	Result	
Sample Date:	31/08/2017		
Sample Code:	B05d895		
Produced At:	Northern Cement, Darwin Plant, NT		
Test Certificate Number:	Type LH Low Heat Cement : 170469		
Product Certified:	Type I H Low Heat Coment		

Reportable Property	Test Method	AS3972	Result
3 Day Strength	A\$2350.11	N/R	15.9 MPa
7 Day Strength	AS2350.11	Min 10.0 MPa	29.4 MPa
28 Day Strength	AS2350.11	Min 30.0 MPa	56.2 MPa
Initial Set Time	AS2350.4	Min 45 min	150 min
Final Set Time	AS2350.4	Max 600 min	240 min
Soundness	AS2350.5	Max 5 mm	0 mm
Sulfuric Anhydride content (SO <sub>3</sub> )	AS3583.8	Max 3.5 %	2.7 %
Chloride Ion	A\$3583.13	Max 0.10 %	0.008 %
Peak Temp Rise	AS2350.7	Max 23 °C	22.5°C
Other Properties			
SiO <sub>2</sub>	AS2350.2	N/R	27.7 %
Al <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	9.8 %
Fe <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	1.8 %
CaO	AS2350.2	N/R	51.4 %
MgO	AS2350.2	N/R	4.1 %
Na <sub>2</sub> O Equivalent	AS2350.2	N/R	0.5 %
Loss on Ignition	AS2350.2	N/R	0.8 %
Fineness Index	AS2350.8	N/R	380 m²/kg
Normal Consistency	AS2350.3	N/R	32.0 %

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## REMARKS

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, AS3583.8:19991 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

Issue Date: 9/10/2017