

# Cement Test Certificate

Final

**Product Certified:** Type GB General Blended Cement  
**Test Certificate Number:** 190039  
**Produced At:** Adelaide Brighton Cement, Birkenhead Plant, SA  
**Sample Code:** B0688c8  
**Sample Date:** 12/11/2018

Nominal Blend	Requirements	Result
Clinker		>55 %
Ground Granulated Iron Blast-Furnace Slag	Min 7.5 %	<35 %
Mineral Addition		<7.5 %
Calcium Sulphate		>5 %
Minor Additional Constituents	Max 5 %	<1 %

Reportable Property	Test Method	Requirements of AS3972	Result
3 Day Strength	AS2350.11	N/R	30.1 MPa
7 Day Strength	AS2350.11	Min 20.0 MPa	42.7 MPa
28 Day Strength	AS2350.11	Min 35.0 MPa	62.4 MPa
Initial Set Time	AS2350.4	Min 45 min	150 min
Final Set Time	AS2350.4	Max 600 min	195 min
Soundness	AS2350.5	Max 5 mm	1 mm
Sulfuric Anhydride content (SO <sub>3</sub> )	AS3583.8	Max 3.5 %	2.9 %
Chloride Ion	BH-TM-0507	Max 0.10 %	0.024 %

## Other Properties

SiO <sub>2</sub>	AS2350.2	N/R	24.2 %
Al <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	6.9 %
Fe <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	2.6 %
CaO	AS2350.2	N/R	57.1 %
MgO	AS2350.2	N/R	3.0 %
Na <sub>2</sub> O Equivalent	AS2350.2	N/R	0.5 %
Loss on Ignition	AS2350.2	N/R	2.3 %
Fineness Index	AS2350.8	N/R	440 m <sup>2</sup> /kg
Normal Consistency	AS2350.3	N/R	31.0 %

*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 GB 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:** 14/01/2019