

# Cement Test Certificate

Final

**Product Certified:** Type HE Brightonlite Cement  
**Test Certificate Number:** 240113  
**Customer:** Adbri Cement, Angaston Plant, SA  
**Sample Code:** B0a59fa  
**Sample Date:** 04/01/2024

Nominal Blend	Requirements	Result
Clinker		>85 %
Ground Granulated Iron Blast-Furnace Slag		Nil
Mineral Addition	Max 7.5 %	<7.5 %
Calcium Sulphate		4-8 %
Minor Additional Constituents	Max 5 %	<5 %

Reportable Property	Test Method	Requirements of AS3972	Result
3 Day Strength	AS/NZS2350.11	Min 25.0 MPa	39.0 MPa
7 Day Strength	AS/NZS2350.11	Min 40.0 MPa	47.4 MPa
28 Day Strength	AS/NZS2350.11	N/R	60.5 MPa
Initial Set Time	AS/NZS2350.4	Min 45 min	90 min
Final Set Time	AS/NZS2350.4	Max 360 min	150 min
Soundness	AS/NZS2350.5	Max 5 mm	1 mm
Sulfuric Anhydride content (SO <sub>3</sub> )	AS2350.2	Max 3.5 %	2.6 %
Chloride Ion	AS3583.13	Max 0.10 %	0.004 %

### Other Properties

SiO <sub>2</sub>	AS2350.2	N/R	21.5 %
Al <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	4.9 %
Fe <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	0.6 %
CaO	AS2350.2	N/R	65.8 %
MgO	AS2350.2	N/R	0.8 %
Na <sub>2</sub> O Equivalent	AS2350.2	N/R	0.3 %
Loss on Ignition	AS2350.2	N/R	3.6 %
Fineness Index	AS/NZS2350.8	N/R	430 m <sup>2</sup> /kg
Normal Consistency	AS/NZS2350.3	N/R	30.4 %
Brightness (L)*	BH-TM-0552	N/R	73

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### REMARKS

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

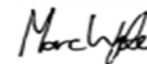
This despatch grab sample complies to the requirements of AS3972:2010, Type HE Cement.

\* NATA Accreditation No 252 does not cover the performance of this service.

N/R = No Requirement



Accredited for compliance with ISO/IEC  
17025 - Testing.



Approved Signatory

M. Wythe

Issue Date: 01/03/2024