

Cement Test Certificate

Final

Product Certified: Type HE Brightonlite Cement
Test Certificate Number: 230008
Customer: Adelaide Brighton Cement, Angaston Plant, SA
Sample Code: B094676
Sample Date: 22/10/2022

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

Reportable Property	Test Method	Requirements of AS3972	Result
3 Day Strength	AS/NZS2350.11	Min 25.0 MPa	39.9 MPa
7 Day Strength	AS/NZS2350.11	Min 40.0 MPa	44.8 MPa
28 Day Strength	AS/NZS2350.11	N/R	58.9 MPa
Initial Set Time	AS/NZS2350.4	Min 45 min	90 min
Final Set Time	AS/NZS2350.4	Max 360 min	135 min
Soundness	AS/NZS2350.5	Max 5 mm	1 mm
Sulfuric Anhydride content (SO ₃)	AS2350.2	Max 3.5 %	2.5 %
Chloride Ion	AS3583.13	Max 0.10 %	0.003 %

Other Properties

SiO ₂	AS2350.2	N/R	21.1 %
Al ₂ O ₃	AS2350.2	N/R	4.8 %
Fe ₂ O ₃	AS2350.2	N/R	0.6 %
CaO	AS2350.2	N/R	64.8 %
MgO	AS2350.2	N/R	0.9 %
Na ₂ O Equivalent	AS2350.2	N/R	0.3 %
Loss on Ignition	AS2350.2	N/R	4.1 %
Fineness Index	AS/NZS2350.8	N/R	445 m ² /kg
Normal Consistency	AS/NZS2350.3	N/R	29.4 %
Brightness (L)*	BH-TM-0552	N/R	73

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.

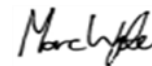
This despatch grab sample complies to the requirements of AS3972:2010, Type HE Cement.

* 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: 17/01/2023