



an **ADBRI** company
ABN 50 006 673 470

Test Certificate

Final

Lot 242 Russell Road East,
Munster WA 6166
PO Box 38, Hamilton Hill WA 6963
T: +61 8 9411 1000
F: +61 8 9411 1150
www.cockburncement.com.au

Product Certified: Ground Granulated Blast Furnace Slag
Test Certificate Number: 240061
Customer: Cockburn Cement, Kwinana Plant, WA
Sample Code: B0a1c0e
Sample Date: 04/10/2023

Nominal Blend	Requirements	Result
Ground Granulated Iron Blast-Furnace Slag		>95 %
Calcium Sulphate		<5 %
Other Additions		<0.5 %

Reportable Property	Test Method	Requirements of AS3582.2	Result
Alumina (Al ₂ O ₃)	AS2350.2	Max 18.0 %	11.9 %
Total Iron (FeO)	AS2350.2	N/R	1.2 %
Magnesia (MgO)	AS2350.2	Max 15.0 %	5.6 %
Total Alkali (Na ₂ O Equivalent)	AS2350.2	N/R	0.4 %
Manganese (MnO)	ASTM C114	N/R	0.3 %
Sulfate (as SO ₃) content	AS3583.8	N/R	2.3 %
Sulfide Sulfur (S)	AS3583.7	Max 1.5 %	0.7 %
Chloride Ion Content	AS3583.13	Max 0.1 %	0.019 %
Loss on Ignition	AS3583.3	N/R	-0.7 %
Insoluble Residue	AS3583.14	N/R	0.3 %
45 µm Residue	AS3583.1	N/R	96 % passing
Relative Density	AS3583.5	N/R	2.86
Relative Water Requirement	AS3583.6	N/R	101 %
Strength Index	AS3583.6	N/R	91 %

Other Properties

SiO ₂	AS2350.2	N/R	33.5 %
CaO	AS2350.2	N/R	43.0 %
Fineness Index	AS/NZS2350.8	N/R	390 m ² /kg

This document shall not be reproduced except in full.

REMARKS

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

For Relative Water and Strength Index testing the reference control used is Birkenhead GP code B0a37ed.

This despatch grab sample complies to the requirements of AS3582.2:2016, Ground Granulated Blast Furnace Slag.

N/R = No Requirement



Accredited for compliance with ISO/IEC
17025 - Testing.

Approved Signatory

M. Wythe

Issue Date: 24/01/2024