

FINAL REPORT

CERTIFICATE No.: 26302



Boral Cement Limited

ABN 62 008 528 523

Taylor Avenue New Berrima NSW 2577

Locked Bag 4 New Berrima NSW 2577

T +61 2 4860 2222

TEST CERTIFICATE OF: Geelong Daily Despatch Environment
PRODUCED AT: Boral Cement Limited Geelong
TESTED AT: Berrima Works Laboratory
SAMPLE IDENTIFICATION: GDDNM2403625
DATE DESPATCHED: 8/5/2024

PROPERTY	REQUIREMENTS OF AS 3582.2	RESULT
Insoluble Residue (AS 3583.14)		0.0 %
LOI (AS 3583.3)		0.8 %
SO ₃ (AS 2350.2; TM 10.01.07)		2.8 %
MgO (AS 2350.2)	≤ 15.0 %	4.8 %
Al ₂ O ₃ (AS 2350.2)	≤ 18.0 %	14.3 %
Fe ₂ O ₃ (AS 2350.2)		0.4 %
expressed as FeO *		0.4 %
Mn ₂ O ₃ (AS 2350.2)		0.2 %
expressed as MnO *		0.2 %
Total Alkali (AS 2350.2)		0.4 %
Cl (AS 2350.2)	≤ 0.1 %	0.01 %
Fineness passing 45µm sieve (AS 3583.1)		98 %
Fineness Index (AS/NZ 2350.8)		500 m ² /kg

REMARKS

Sampling not carried out by laboratory. Samples tested as received and results only relate to the item tested.

* NATA accreditation does not cover the performance of this service.



Accredited for compliance with ISO/IEC 17025 - Testing

Jason Nairn
National Technical Manager



**Building
something
great**

Page 1 of 1
Report Template - Rev. (3) Jul 2021 Authorised by M. A.

Boral Construction Materials
Materials Technical Services

Unit 4, 3-5 Gibbon Road,
Baulkham Hills NSW 2153 Australia
PO Box 400,
Winston Hills NSW 2153

T +61 (02) 9624 9900
boral.com.au

TEST REPORT – MILLED SLAG

CLIENT: BORAL CEMENT – (TECHNICAL)
ADDRESS: 39 Delhi Road, North Ryde, NSW 2113

FILE NO: 50/24
REQUEST NO: 114069

LAB SAMPLE NO: 307820

SOURCE OF SAMPLE: Boral Cement - Geelong

DATE RECEIVED: 13/08/2024

SAMPLE IDENTIFICATION: Environment ID # GDDNM2403625 - Date sampled: 05/08/2024

IDENTIFICATION OF CEMENT USED: Boral Cement SL Berrima Ref. 2022

TEST METHOD: AS 3583: Methods of test for supplementary cementitious materials for use with Portland cement

PROPERTY	TEST METHOD	RESULT	DATE TESTED
Relative density	AS 3583.5	2.86	21/08/2024
Relative water requirement	AS 3583.6	101%	22/08/2024
Relative strength 7 days (accelerated)	AS 3583.6	99%	29/08/2024
Relative strength 28 days (standard)	AS 3583.6	98%	19/09/2024

Melody mancerido, Parisa Sowti, Violeta Paicu, Jason Nairn, Mat File, File

Note:

- Sample supplied by the client and tested as received.

Approved signatory

Sam El-Hamawi

Date 23/09/2024

Serial no.

CEM114069.SE.1



Accredited for compliance with ISO/IEC 17025 – Testing
This report shall not be reproduced in full without the approval of the Boral MTS Laboratory.
Test results in this Test Report relate only to the samples tested.

NATA Accredited Laboratory
Number: 547



**Building
something
great**

Page 1 of 1
Report Template – Rev. (3) July 2021 – Authorised by M.A.

Boral Construction Materials
Materials Technical Services

Unit 4, 3-5 Gibbon Road,
Baulkham Hills NSW 2153 Australia
PO Box 400,
Winston Hills NSW 2153

T +61 (02) 9624 9900
boral.com.au

TEST REPORT

CLIENT: BORAL CEMENT – TECHNICAL
39 Delhi Road, North Ryde, NSW 2113.

FILE No.:50/24

PROJECT: Testing of Environment Sample from Boral Cement – Geelong.

REQUEST No.: 114069

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 307820
Date Sampled: 05/08/2024
Date Received: 13/08/2024
Date Tested: 19/09/2024
Sample Description: Environment ID #
GDDNM2403625
Field No.: 1

TEST RESULTS:

Sodium as Na₂O (m/m %) 0.05
Potassium as K₂O (m/m %) 0.08
Available Alkali (m/m %) 0.1

Available Alkali (m/m %) = Na₂O (%) + (0.658 x K₂O %)

Note:

- Sample was provided by the Client and tested as received.

Parisa Sowti, Violeta Paicu, Melody Mancenido, Jason Nairn, Mat.File, File.

Approved signatory

Nanthini Selvadurai

Date 20-09-24

Serial no. CHEM114069.NS.1

Accredited for compliance with ISO/IEC 17025 – Testing
This report shall not be reproduced in full without the approval of the Boral MTS Laboratory.
Test results in this Test Report relate only to the samples tested.



NATA Accredited Laboratory
Number: 9968



TEST REPORT

CLIENT: BORAL CEMENT – TECHNICAL
39 Delhi Road, North Ryde, NSW 2113.

FILE No.:50 / 24

PROJECT: Testing of Enviroment Sample from Boral Cement – Geelong.

REQUEST No.: 114069

TEST PROCEDURE: AS 3583.7 – Determination of Sulfide Sulfur content

Laboratory Sample No.: 307820
Date Sampled: 05/08/2024
Date Received: 13/08/2024
Date Tested: 13/09/2024
Sample Description: Enviroment ID #
GDDNM2403625
Field No.: 1

TEST RESULTS:

Sulfide Sulfur as S (%) 0.84

Sample submitted by the Client.

- Sample was provided by the Client.
- Test results in this test report relate only to the sample tested.
- This report shall not be reproduced except in full without the approval of the Boral MTS Laboratory.

Nanthini S
18th September 2024.

Parisa Sowti, Violeta Paicu, Melody Mancenido, Jason Nairn, Mat.File, File.