

## FINAL REPORT

CERTIFICATE No.: 26262



Boral Cement Limited

ABN 62 008 528 523

Taylor Avenue New Berrima NSW 2577

Locked Bag 4 New Berrima NSW 2577

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TEST CERTIFICATE OF: Geelong Daily Despatch Environment  
PRODUCED AT: Boral Cement Limited Geelong  
TESTED AT: Berrima Works Laboratory  
SAMPLE IDENTIFICATION: GDDNM2403370  
DATE DESPATCHED: 7/22/2024

PROPERTY	REQUIREMENTS OF AS 3582.2	RESULT
Insoluble Residue (AS 3583.14)		0.2 %
LOI (AS 3583.3)		0.7 %
SO <sub>3</sub> (AS 2350.2; TM 10.01.07)		2.6 %
MgO (AS 2350.2)	≤ 15.0 %	4.8 %
Al <sub>2</sub> O <sub>3</sub> (AS 2350.2)	≤ 18.0 %	14.2 %
Fe <sub>2</sub> O <sub>3</sub> (AS 2350.2)		0.5 %
expressed as FeO *		0.4 %
Mn <sub>2</sub> O <sub>3</sub> (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)		470 m <sup>2</sup> /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



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**Boral Construction Materials**  
Materials Technical Services

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### TEST REPORT – MILLED SLAG

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

FILE NO: 50/24  
REQUEST NO: 113940

LAB SAMPLE NO: 307511

SOURCE OF SAMPLE: Boral Cement - Geelong

DATE RECEIVED: 06/08/2024

SAMPLE IDENTIFICATION: Enviroment ID # GDDNM2403370 - Date sampled: 22/07/2024

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	14/08/2024
Relative water requirement	AS 3583.6	101%	15/08/2024
Relative strength 7 days (accelerated)	AS 3583.6	99%	22/08/2024
Relative strength 28 days (standard)	AS 3583.6	95%	12/09/2024

Melody mancenido, Parisa Sowti, Violeta Paicu, Jason Naim, Mat File, File

**Note:**

- Sample supplied by the client and tested as received.

Approved signatory

Date 16/09/2024

Serial no.

Sam El-Hamawi  
CEM113940.SE.1



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Test results in this Test Report relate only to the samples tested.

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Number: 547



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### 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.: 113940

#### TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 307511  
Date Sampled: 22/07/2024  
Date Received: 06/08/2024  
Date Tested: 10/09/2024  
Sample Description: Environment ID #  
GDDNM2403370  
Field No.: 1

#### TEST RESULTS:

Sodium as Na<sub>2</sub>O (m/m %) 0.03  
Potassium as K<sub>2</sub>O (m/m %) 0.06  
Available Alkali (m/m %) 0.1

Available Alkali (m/m %) = Na<sub>2</sub>O (%) + (0.658 x K<sub>2</sub>O %)

#### Note:

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

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

Approved signatory

Nanthini Selvadurai

Date 10 - 09 - 24

Serial no. CHEM113940.NS.1

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## 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.: 113940

**TEST PROCEDURE:** AS 3583.7 – Determination of Sulfide Sulfur content

Laboratory Sample No.: 307511  
Date Sampled: 22/07/2024  
Date Received: 06/08/2024  
Date Tested: 12/08/2024  
Sample Description: Environment ID #  
GDDNM2403370  
Field No.: 1

### TEST RESULTS:

Sulfide Sulfur as S (%) 0.91

Sample submitted by the Client.

- Sample was provided by the Client.
- Test results in this test report relate only to the sample tested.
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Nanthini S

16<sup>th</sup> August 2024.

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