

FINAL REPORT

CERTIFICATE No.: 25227



Boral Cement Limited

N 62 008 528 523

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TEST CERTIFICATE OF: Geelong Daily Despatch Enviroment
PRODUCED AT: Boral Cement Limited Geelong
TESTED AT: Berrima Works Laboratory
SAMPLE IDENTIFICATION: GDDNM2303460
DATE DESPATCHED: 28/08/2023

PROPERTY	REQUIREMENTS OF AS 3582.2	RESULT
Insoluble Residue (AS 3583.14)		0.4 %
LOI (AS 3583.3)		0.3 %
SO ₃ (AS 2350.2; TM 10.01.07)		0.0 %
MgO (AS 2350.2)	≤ 15.0 %	5.5 %
Al ₂ O ₃ (AS 2350.2)	≤ 18.0 %	14.6 %
Fe ₂ O ₃ (AS 2350.2)		0.8 %
expressed as FeO *		0.7 %
Mn ₂ O ₃ (AS 2350.2)		0.2 %
expressed as MnO *		0.1 %
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 2350.8)		525 m ² /kg

REMARKS

Sampling not carried out by laboratory. Samples tested as received.

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



Accredited for compliance with ISO/IEC 17025 - Testing

Marc Smith
Technical Services Manager

TEST REPORT – MILLED SLAG

CLIENT: BORAL CEMENT – (TECHNICAL)

FILE NO: 50/23

ADDRESS: 39 Delhi Road, North Ryde, NSW 2113

REQUEST NO: 107756

LAB SAMPLE NO: 289821

SOURCE OF SAMPLE: Boral Cement - Geelong

DATE RECEIVED: 05/09/2023

SAMPLE IDENTIFICATION: Enviroment ID # GDDNM2303460 - Date sampled: 28/08/2023

IDENTIFICATION OF CEMENT USED: Boral Cement SL Berrima Ref. 2019

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	06/09/2023
Relative water requirement	AS 3583.6	104%	07/09/2023
Relative strength 7 days (accelerated)	AS 3583.6	96%	14/09/2023
Relative strength 28 days (standard)	AS 3583.6	97%	05/10/2023

Marc Smith, Parisa Sowti, Violeta Paicu, Mat File, File

Note:

- Sample supplied by the client and tested as received.

Approved Signatory  Sam El-Hamawi
Date 9/10/23 Serial No. CEM107756.SE.1

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



NATA Accredited Laboratory
Number: 547



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TEST REPORT

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

FILE No.:50/23

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

REQUEST No.: 107756

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 289821
Date Sampled: 28/08/2023
Date Received: 05/09/2023
Date Tested: 03/10/2023
Sample Description: Enviroment ID #
GDDNM2303460
Field No.: 1

TEST RESULTS:

Sodium as Na₂O (%) 0.04
Potassium as K₂O (%) 0.08
Available Alkali (%) 0.1

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

Note:

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

Parisa Sowti, Violeta Paicu, Marc Smith, Stephanie Koehler, Mat.File, File.



Approved Signatory

Nanthini Selvadurai

Date 04 - 10 - 23

Serial No. CHEM107756.NS.1

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NATA Accredited Laboratory

Number: 9968

**Building
something
great****Boral Construction Materials**
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boral.com.au**TEST REPORT**CLIENT: BORAL CEMENT – TECHNICAL
39 Delhi Road, North Ryde, NSW 2113.

FILE No.:50 / 23

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

REQUEST No.: 107756

TEST PROCEDURE: AS 3583.7 – Determination of Sulfide Sulfur content

Laboratory Sample No.: 289821
Date Sampled: 28/08/2023
Date Received: 05/09/2023
Date Tested: 08/09/2023
Sample Description: Environment ID #
GDDNM2303460
Field No.: 1

TEST RESULTS:

Sulfide Sulfur as S (%) 0.22

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

20th September 2023.

Parisa Sowti, Violeta Paicu, Marc Smith, Stephanie Koehler, Mat.File, File.