

FINAL REPORT

CERTIFICATE No.: 26055



Boral Cement Limited

ABN 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: GDDNM2402239
DATE DESPATCHED: 5/15/2024

PROPERTY	REQUIREMENTS OF AS 3582.2	RESULT
Insoluble Residue (AS 3583.14)		0.2 %
LOI (AS 3583.3)		0.5 %
SO ₃ (AS 2350.2; TM 10.01.07)		2.9 %
MgO (AS 2350.2)	≤ 15.0 %	6.0 %
Al ₂ O ₃ (AS 2350.2)	≤ 18.0 %	13.0 %
Fe ₂ O ₃ (AS 2350.2)		0.5 %
expressed as FeO *		0.4 %
Mn ₂ O ₃ (AS 2350.2)		0.2 %
expressed as MnO *		0.2 %
Total Alkali (AS 2350.2)		0.5 %
Cl (AS 2350.2)	≤ 0.1 %	0.01 %
Fineness passing 45µm sieve (AS 3583.1)		99 %
Fineness Index (AS/NZ 2350.8)		455 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

NATA Accreditation Number: 530 / 531

Page 1 of 1

Jason Nairn
National Technical Manager

Date of Issue: 7/26/2024



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TEST REPORT – MILLED SLAG

CLIENT: BORAL CEMENT – (TECHNICAL)

FILE NO: 50/24

ADDRESS: 39 Delhi Road, North Ryde, NSW 2113

REQUEST NO: 112582

LAB SAMPLE NO: 303794

SOURCE OF SAMPLE: Boral Cement - Geelong

DATE RECEIVED: 28/05/2024

SAMPLE IDENTIFICATION: Enviroment ID # GDDNM2402239 - Date sampled: 15/05/2024

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	12/06/2024
Relative water requirement	AS 3583.6	101%	13/06/2024
Relative strength 7 days (accelerated)	AS 3583.6	93%	20/06/2024
Relative strength 28 days (standard)	AS 3583.6	91%	11/07/2024

Melody mancenido, 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

22/07/2024

Serial no.

CEM112582.SE.1





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

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Materials Technical Services

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Winston Hills NSW 2153

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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.: 112582

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 303794
Date Sampled: 15/05/2024
Date Received: 28/05/2024
Date Tested: 08/07/2024
Sample Description: Enviroment ID #
GDDNM2402239
Field No.: 1

TEST RESULTS:

Sodium as Na₂O (%) 0.04
Potassium as K₂O (%) 0.09
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, Melody Mancenido, Jason Nairn, Mat.File, File.

Approved signatory

Nanthini Selvadurai

Date 08-07-24

Serial no. CHEM112582.NS.1



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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



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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.: 112582

TEST PROCEDURE: AS 3583.7 – Determination of Sulfide Sulfur content

Laboratory Sample No.: 303794
Date Sampled: 15/05/2024
Date Received: 28/05/2024
Date Tested: 08/07/2024
Sample Description: Enviroment ID #
GDDNM2402239
Field No.: 1

TEST RESULTS:

Sulfide Sulfur as S (%) 0.94

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.

08th July 2024

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