

FINAL REPORT

CERTIFICATE No.: 25266



Boral Cement Limited

N 62 008 528 523

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TEST CERTIFICATE OF: Tarong Daily Despatch Grade 1 Fly Ash
PRODUCED AT: Boral Cement Limited Tarong
TESTED AT: Berrima Works Laboratory
SAMPLE IDENTIFICATION: TDDFA2303687
DATE DESPATCHED: 31/08/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.1)	≥ 75 %	86 %
LOI (AS 3583.3)	≤ 4.0 %	2.3 %
Moisture (AS 3583.2)	≤ 0.5 %	< 0.1 %
SO ₃ (AS 2350.2)	≤ 3.0 %	< 0.1 %
SiO ₂ (AS 2350.2)		68.7 %
Al ₂ O ₃ (AS 2350.2)		26.0 %
Fe ₂ O ₃ (AS 2350.2)		0.7 %
Chemical Composition (AS 2350.2)	≥ 70 %	95 %
Total Alkali (AS 2350.2)		0.4 %
Cl (AS 2350.2)	≤ 0.1 %	< 0.01 %

REMARKS

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



Accredited for compliance with ISO/IEC 17025 - Testing

A handwritten signature in blue ink, appearing to read "Marc Smith".

Marc Smith
Technical Services Manager

**Boral Construction Materials
Materials Technical Services**

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boral.com.au
TEST REPORT – FLYASH
CLIENT: BORAL CEMENT – (TECHNICAL)

FILE NO: 50/23

ADDRESS: 39 Delhi Road, North Ryde, NSW 2113

REQUEST NO: 108148

SAMPLE IDENTIFICATION: TDDFA2303687

LAB SAMPLE NO: 291376

SOURCE OF SAMPLE: Boral Cement - Berrima

DATE SAMPLED: 31/08/2023

DATE RECEIVED: 18/09/2023

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	DATE TESTED	RESULT	TEST METHOD
Relative density	26/09/2023	2.06	AS 3583.5
Relative water requirement	28/09/2023	102%	AS 3583.6
Relative strength 7 days (accelerated)	05/10/2023	91%	AS 3583.6

Note:

- Sample supplied by the client and tested as received.

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

Approved Signatory



Sam El-Hamawi

Date

9/10/23

Serial No.

CEM108148.SE.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: 547**