

FINAL REPORT

CERTIFICATE No.: 25192



Boral Cement Limited

N 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: Tarong Daily Despatch Grade 1 Fly Ash
PRODUCED AT: Boral Cement Limited Tarong
TESTED AT: Berrima Works Laboratory
SAMPLE IDENTIFICATION: TDDFA2303312
DATE DESPATCHED: 21/08/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.1)	≥ 75 %	90 %
LOI (AS 3583.3)	≤ 4.0 %	2.0 %
Moisture (AS 3583.2)	≤ 0.5 %	< 0.1 %
SO ₃ (AS 2350.2)	≤ 3.0 %	0.1 %
SiO ₂ (AS 2350.2)		73.0 %
Al ₂ O ₃ (AS 2350.2)		22.2 %
Fe ₂ O ₃ (AS 2350.2)		0.8 %
Chemical Composition (AS 2350.2)	≥ 70 %	96 %
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

Marc Smith
Technical Services Manager

**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 – FLYASH****CLIENT:** BORAL CEMENT – (TECHNICAL)**FILE NO:** 50/23**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113**REQUEST NO:** 107643**SAMPLE IDENTIFICATION:** TDDFA2303312**LAB SAMPLE NO:** 289447**SOURCE OF SAMPLE:** Boral Cement - Berrima**DATE SAMPLED:** 21/08/2023**DATE RECEIVED:** 29/08/2023**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	05/09/2023	2.10	AS 3583.5
Relative water requirement	07/09/2023	102%	AS 3583.6
Relative strength 7 days (accelerated)	14/09/2023	90%	AS 3583.6

Note:

- Sample supplied by the client and tested as received.

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

Approved Signatory



Sam El-Hamawi

Date

18/9/23

Serial No.

CEM107643.SE.2

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



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