

## FINAL REPORT

CERTIFICATE No.: 24974



Boral Cement Limited  
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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:** TDDFA2302229  
**DATE DESPATCHED:** 13/06/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.3)	≥ 75 %	87 %
LOI (AS 3583.3)	≤ 4.0 %	3.2 %
Moisture (AS 3583.2)	≤ 0.5 %	< 0.1 %
SO <sub>3</sub> (AS 2350.2)	≤ 3.0 %	< 0.1 %
SiO <sub>2</sub> (AS 2350.2)		71.4 %
Al <sub>2</sub> O <sub>3</sub> (AS 2350.2)		21.0 %
Fe <sub>2</sub> O <sub>3</sub> (AS 2350.2)		2.1 %
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

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Technical Services Manager

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[boral.com.au](http://boral.com.au)**TEST REPORT – FLYASH****CLIENT:** BORAL CEMENT – (TECHNICAL)**FILE NO:** 50/23**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113**REQUEST NO:** 106514**SAMPLE IDENTIFICATION:** TDDFA2302229**LAB SAMPLE NO:** 286117**SOURCE OF SAMPLE:** Boral Cement - Berrima**DATE SAMPLED:** 13/06/2023**DATE RECEIVED:** 26/06/2023**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	30/06/2023	2.07	AS 3583.5
Relative water requirement	06/07/2023	102%	AS 3583.6
Relative strength 7 days (accelerated)	13/07/2023	92%	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

22/7/23

Serial No.

CEM106514.SE.1

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

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Number: 547**