

# FINAL REPORT

CERTIFICATE No.: 25845



Boral Cement Limited

ABN 62 008 528 523

Taylor Avenue New Berrima NSW 2577

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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:** TDDFA2401109  
**DATE DESPATCHED:** 3/11/2024

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.1)	≥ 75 %	78 %
LOI (AS 3583.3)	≤ 4.0 %	1.6 %
Moisture (AS 3583.2)	≤ 0.5 %	0.2 %
SO <sub>3</sub> (AS 2350.2)	≤ 3.0 %	< 0.1 %
SiO <sub>2</sub> (AS 2350.2)		70.6 %
Al <sub>2</sub> O <sub>3</sub> (AS 2350.2)		23.9 %
Fe <sub>2</sub> O <sub>3</sub> (AS 2350.2)		1.2 %
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 and results only relate to the item tested.



Accredited for compliance with ISO/IEC 17025 - Testing

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

Marc Smith  
Technical Services Manager



**Building something great**

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**TEST REPORT – FLYASH**

**CLIENT:** BORAL CEMENT – (TECHNICAL)

**FILE NO:** 50/24

**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113

**REQUEST NO:** 111412

**SAMPLE IDENTIFICATION:** TDDFA2401109

**LAB SAMPLE NO:** 300728

**SOURCE OF SAMPLE:** Boral Cement - Berrima

**DATE SAMPLED:** 11/03/2024

**DATE RECEIVED:** 26/03/2024

**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	DATE TESTED	RESULT	TEST METHOD
Relative density	03/04/2024	2.05	AS 3583.5
Relative water requirement	04/04/2024	103%	AS 3583.6
Relative strength 7 days (accelerated)	11/04/2024	96%	AS 3583.6

**Note:**

- Sample supplied by the client and tested as received.

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

Approved signatory \_\_\_\_\_

Sam El-Hamawi

Date 15/04/2024

Serial no. \_\_\_\_\_

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