

FINAL REPORT

CERTIFICATE No.: 27839



Boral Cement Limited

ABN 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: Boral Cement QA Laboratory
SAMPLE IDENTIFICATION: TDDFA2504893
DATE DESPATCHED: 4/12/2025

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.1)	≥ 75 %	84 %
LOI (AS 3583.3)	≤ 4.0 %	1.7 %
Moisture (AS 3583.2)	≤ 0.5 %	< 0.1 %
SiO ₂ (AS 2350.2)		69.4 %
Al ₂ O ₃ (AS 2350.2)		24.7 %
Fe ₂ O ₃ (AS 2350.2)		1.4 %
Chemical Composition (AS 2350.2)	≥ 70 %	95 %
Total Alkali (AS 2350.2)		0.4 %
Cl (AS 2350.2)	≤ 0.1 %	0.00 %

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 blue ink signature of Melody Mancenido.

Melody Mancenido
Technical Services Manager



Boral Construction Materials
Materials Technical Services

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TEST REPORT

CLIENT: Boral Cement - Technical
39 Delhi Road North Ryde NSW 2113

FILE No.: 50 / 25

PROJECT: Testing of Tarong Fly ash sample from Queensland

REQUEST No.: 122055

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.:	332202
Date Sampled:	4.12.25
Date Received:	10.12.25
Date Tested:	11.3.26
Sample Description:	TDDFA2504893
Field No.:	1

TEST RESULTS:

Sodium as Na ₂ O (m/m %)	0.04
Potassium as K ₂ O (m/m %)	0.15
Available Alkali (m/m %)	0.1

Available Alkali (m/m %) = Na₂O (%) + (0.658 x K₂O %)

Sample was provided by the Client and tested as received.

Sudha Krishnamoorthy

Approved signatory *Sudha*
Date 11.3.26 Serial no. CHEM122055.SK.1



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

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Number: 9968



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TEST REPORT – FLYASH

CLIENT: BORAL CEMENT – (TECHNICAL)

FILE NO: 50/25

ADDRESS: 39 Delhi Road, North Ryde, NSW 2113

REQUEST NO: 122055

SAMPLE IDENTIFICATION: TDDFA2504893

LAB SAMPLE NO: 332202

SOURCE OF SAMPLE: Queensland

DATE SAMPLED: 04/12/2025

DATE RECEIVED: 10/12/2025

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	04/02/2026	2.11	AS 3583.5
Relative water requirement	05/02/2026	101%	AS 3583.6
Relative strength 7 days (accelerated)	12/02/2026	101%	AS 3583.6
Relative strength 28 days (standard)	05/03/2026	96%	AS 3583.6

Note:

- Sample supplied by the client and tested as received.

Approved signatory _____

Sam El-Hamawi

Date 11/03/2026

Serial no. CEM122055.SE.1



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