

FINAL REPORT

CERTIFICATE No.: 25844



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: Berrima Works Laboratory
SAMPLE IDENTIFICATION: TDDFA2401108
DATE DESPATCHED: 3/6/2024

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.1)	≥ 75 %	88 %
LOI (AS 3583.3)	≤ 4.0 %	1.7 %
Moisture (AS 3583.2)	≤ 0.5 %	0.2 %
SO ₃ (AS 2350.2)	≤ 3.0 %	< 0.1 %
SiO ₂ (AS 2350.2)		72.3 %
Al ₂ O ₃ (AS 2350.2)		22.2 %
Fe ₂ O ₃ (AS 2350.2)		1.1 %
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**

TEST REPORT – FLYASH

CLIENT: BORAL CEMENT – (TECHNICAL)

FILE NO: 50/24

ADDRESS: 39 Delhi Road, North Ryde, NSW 2113

REQUEST NO: 111412

SAMPLE IDENTIFICATION: TDDFA2401108

LAB SAMPLE NO: 300727

SOURCE OF SAMPLE: Boral Cement - Berrima

DATE SAMPLED: 06/03/2024

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	2.10	AS 3583.5
Relative water requirement	04/04/2024	103%	AS 3583.6
Relative strength 7 days (accelerated)	11/04/2024	97%	AS 3583.6

Note:

- Sample supplied by the client and tested as received.

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

Sam El-Hamawi

Approved signatory _____

CEM111412.SE.1

Date 15/04/2024

Serial no. _____





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TEST REPORT

CLIENT: BORAL CEMENT – TECHNICAL
39 Delhi Road, North Ryde, NSW 2113.

FILE No.:50/24

PROJECT: Testing of Fly ash samples for R.W, R.S, Density and Available Alkali.

REQUEST No.: 111412

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 300727
Date Sampled: 06/03/2024
Date Received: 26/03/2024
Date Tested: 29/04/2024
Sample Description: TDDFA2401108

Field No.: 1

TEST RESULTS:

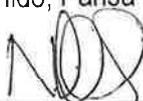
Sodium as Na₂O (%) 0.01
Potassium as K₂O (%) 0.06
Available Alkali (%) 0.1

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

Note:

- Sample was provided by the Client and tested as received.

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

Approved signatory  Nanthini Selvadurai
Date 30-04-24 Serial no. CHEM111412.NS 1

