

FINAL REPORT

CERTIFICATE No.: 25844



Boral Cement Limited

ABN 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: 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

Marc Smith
Technical Services Manager



Building
something
great

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: 50/24

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

Approved signatory

Sam El-Hamawi

Date

15/04/2024

Serial no.

CEM111412.SE.1



Accredited for compliance with ISO/IEC 17025 – Testing
This report shall not be reproduced in full without the approval of the Boral MTS Laboratory.
Test results in this Test Report relate only to the samples tested.

NATA Accredited Laboratory
Number: 547



**Building
something
great**

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

