

FINAL REPORT

CERTIFICATE No.: 25367



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: TDDFA2304267
DATE DESPATCHED: 29/09/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.1)	≥ 75 %	84 %
LOI (AS 3583.3)	≤ 4.0 %	3.2 %
Moisture (AS 3583.2)	≤ 0.5 %	0.2 %
SO ₃ (AS 2350.2)	≤ 3.0 %	< 0.1 %
SiO ₂ (AS 2350.2)		72.0 %
Al ₂ O ₃ (AS 2350.2)		21.0 %
Fe ₂ O ₃ (AS 2350.2)		1.2 %
Chemical Composition (AS 2350.2)	≥ 70 %	94 %
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

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

Marc Smith
Technical Services Manager

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Materials Technical Services**Unit 4, 3-5 Gibbon Road
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boral.com.au**TEST REPORT – FLYASH****CLIENT:** BORAL CEMENT – (TECHNICAL)**FILE NO:** 50/23**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113**REQUEST NO:** 108524**SAMPLE IDENTIFICATION:** TDDFA2304267**LAB SAMPLE NO:** 292508**SOURCE OF SAMPLE:** Boral Cement - Berrima**DATE SAMPLED:** 28/09/2023**DATE RECEIVED:** 17/10/2023**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	01/11/2023	2.09	AS 3583.5
Relative water requirement	02/11/2023	103%	AS 3583.6
Relative strength 7 days (accelerated)	09/11/2023	95%	AS 3583.6

Note:

- Sample supplied by the client and tested as received.

Marc Smith, Parisa Sowti, Violeta Paicu, Mat. File, File

Approved Signatory

Sam El-Hamawi

Date

20/11/23

Serial No.

CEM108524.SE.1

