

FINAL REPORT

CERTIFICATE No.: 24336



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: TDDFA2204314
DATE DESPATCHED: 23/11/2022

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.3)	≥ 75 %	85 %
LOI (AS 3583.3)	≤ 4.0 %	2.1 %
Moisture (AS 3583.2)	≤ 0.5 %	0.2 %
SO ₃ (AS 2350.2)	≤ 3.0 %	0.5 %
SiO ₂ (AS 2350.2)		68.4 %
Al ₂ O ₃ (AS 2350.2)		25.2 %
Fe ₂ O ₃ (AS 2350.2)		1.2 %
Chemical Composition (AS 2350.2)	≥ 70 %	95 %
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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boral.com.au**TEST REPORT – FLYASH****CLIENT:** BORAL CEMENT – (TECHNICAL)**FILE NO:** 50/22**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113**REQUEST NO:** 103297**SAMPLE IDENTIFICATION:** TDDFA2204314**LAB SAMPLE NO:** 276898**SOURCE OF SAMPLE:** Boral Cement - Berrima**DATE SAMPLED:** 23/11/2022**DATE RECEIVED:** 05/12/2022**IDENTIFICATION OF CEMENT USED:** Boral Cement SL Berrima Ref. 2019**TEST METHOD:** AS 3583: Methods of test for supplementary cementitious materials for use with Portland cement

PROPERTY	DATE TESTED	RESULT	TEST METHOD
Relative density	14/12/2022	2.19	AS 3583.5
Relative water requirement	15/12/2022	101%	AS 3583.6
Relative strength 7 days (accelerated)	22/12/2022	100%	AS 3583.6

Note:

- Sample supplied by the client and tested as received.

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

Approved Signatory Julius C. Alvaro Julius Alvaro
 Date 22/12/2022 Serial No. CEM103297.JA.1



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 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.

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