

FINAL REPORT

CERTIFICATE No.: 23281



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: TDDFA2200404
DATE DESPATCHED: 10/02/2022

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.3)	≥ 75 %	86 %
LOI (AS 3583.3)	≤ 4.0 %	0.8 %
Moisture (AS 3583.2)	≤ 0.5 %	< 0.1 %
SO ₃ (AS 2350.2)	≤ 3.0 %	< 0.1 %
SiO ₂ (AS 2350.2)		72.0 %
Al ₂ O ₃ (AS 2350.2)		23.9 %
Fe ₂ O ₃ (AS 2350.2)		0.8 %
Chemical Composition (AS 2350.2)	≥ 70 %	97 %
Total Alkali (AS 2350.2)		0.5 %
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

Marc Smith
Technical Services Manager

TEST REPORT – FLYASH

CLIENT: BORAL CEMENT – (TECHNICAL)

FILE NO: 50/22

ADDRESS: 39 Delhi Road, North Ryde, NSW 2113

REQUEST NO: 98265

SAMPLE IDENTIFICATION: Tarong Fly ash – TDDFA2200404

LAB SAMPLE NO: 263898

SOURCE OF SAMPLE: Boral Cement

DATE SAMPLED: 10/02/2022

DATE RECEIVED: 24/02/2022

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	24/02/2022	2.16	AS 3583.5
Relative water requirement	24/02/2022	105%	AS 3583.6
Relative strength 7 days (accelerated)	03/03/2022	91%	AS 3583.6
Relative strength 28 days (standard)	24/03/2022	89%	AS 3583.6

Note:

- Sample supplied by the client and tested as received.

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

Approved Signatory  Julius Alvaro
Date 29/03/2022 Serial No. CEM98265.JA.1

