STANDARD FLY ASH CERTIFICATE

FINAL

Prior Reports: None

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Certificate Number: CERT261647
Issued: 18 March 2026

Product being certified:	Mt Piper Monthly Grab Fly Ash
Product sample date:	01-Feb-2026
Sample Identification:	Sample Code: 26020414
Source Power Station:	Mount Piper Power Station
Sample Condition:	Tested as Received. Testing Commenced on 10-Feb-2026
Certifying Laboratory:	Cement Australia - Darra Laboratory, 18 Station Avenue, Darra Queensland 4076 Australia.

Test results in this report are only relevant to the sample tested.

Test Results

Test	Moisture %	Fineness @ 45 micron % Passed	Loss on Ignition %	Sulfuric Anhydride %	Available Alkali %	Chloride Ion %	Chemical Composition %
Result	0.1	85	1.2	< 0.1	Not Tested	< 0.002	94
Test Method	AS 3583.2	AS 3583.1	AS 3583.3	AS 2350.2	AS 3583.12	AS 3583.13	AS 2350.2
AS/NZS 3582.1	0.5 % Maximum	75% Minimum	4.0 % Maximum	3.0 % Maximum	-	0.1 % Maximum	70% Minimum

Test	Relative Density	Relative Water Requirement %	Strength Index 7 Day Acc. %
Result	2.10	98	97
Test Method	AS 3583.5	AS 3583.6	AS 3583.6
AS/NZS 3582.1	-	-	75% Minimum

Reference Cement Details
Identification:: 26021225
Source: Gladstone GP
Product Type: Type GP
Sample Date: 27-Dec-25

Additional Testing - Oxides

Test	CaO by XRF %	SiO_2 by XRF %	Al_2O_3 by XRF %	Fe_2O_3 by XRF %	SO_3 by XRF %	MgO by XRF %	Na_2O by XRF %
Result	0.3	63.9	28.1	1.6	< 0.1	0.3	0.34
Test Method	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2

Test	K_2O by XRF %	SrO by XRF %	TiO2 by XRF %	P_2O_5 by XRF %	Mn_2O_3 by XRF %	Total Alkali (NaEQ) %
Result	2.85	<0.1	1.0	0.2	< 0.1	2.22
Test Method	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2

This sample conforms to the material requirements as presscribed in Table 1 of AS 3582.1

Special	Grade 1	Grade 2
	X	

Approved Signatory

J Ventura
Signatory - Cement Australia
Chemical Testing
Construction Materials Testing

Accredited for compliance with ISO/IEC 17025 - Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Laboratory accreditation number: 187

NATA
WORLD RECOGNISED ACCREDITATION

Notes:

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