## STANDARD FLY ASH CERTIFICATE



FINAL
Prior Reports: None

Certificate Number: CERT252783

**Issued:** 06 June 2025

Product being certified: Independent Flyash Broker Monthly Grab Fly Ash

Product sample date: 06-May-2025

Sample Identification:Sample Code: 25050366Source Power Station:Millmerran Power Station

Sample Condition: Tested as Received. Testing Commenced on 12-May-2025

Certifying Laboratory: Cement Australia - Darra Laboratory,

18 Station Avenue, Darra Queensland 4076 Australia.

## Independent Flyash Brokers Pty

Ltd

Head Office 431 Moffatt Reserve Millmerran QLD 4357 Tel: (07) 4695 6033 Fax: (07) 4695 6133

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## **Test Results**

Test	Moisture	Fineness @ 45 micron	Loss on Ignition	Sulfuric Anhydride	Available Alkali	Chloride Ion	Chemical Composition
	%	% Passed	%	%	%	%	%
Result	< 0.1	93	0.3	0.1	Not Tested	< 0.002	92.9
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.	Reference Cement Details	
		%	%	Identification:: 25050451	
Result	2.04	94	101	Source: Gladstone GP	
Test Method	AS 3583.5	AS 3583.6	AS 3583.6	Product Type: Type GP	
AS/NZS 3582.1	-	-	75% Minimum	Sample Date: 13-May-25	

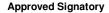
**Additional Testing - Oxides** 

Test	CaO by XRF %	SiO <sub>2</sub> by XRF %	Al <sub>2</sub> O <sub>3</sub> by XRF %	Fe <sub>2</sub> O <sub>3</sub> by XRF %	SO₃ by XRF %	MgO by XRF %	Na₂O by XRF %
Result	2.4	55.8	34.7	2.4	0.1	0.8	0.41
Test Method	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2

Test	K₂O by XRF	SrO by XRF	TiO2 by XRF	P <sub>2</sub> O <sub>5</sub> by XRF	Mn₂O₃ by XRF	Total Alkali (NaEQ)
	%	%	%	%	%	%
Result	0.69	<0.1	1.9	<0.1	< 0.1	0.86
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 prescribed in Table 1 of AS 3582.1

Special	Grade 1	Grade 2		
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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.

WORLD RECOGNISED ACCREDITATION

Laboratory accreditation number: 187

Notes: