STANDARD FLY ASH CERTIFICATE



FINAL

Prior Reports: None

Certificate Number: CERT250272

Issued: 15 January 2025

Product being certified: Independent Flyash Broker Monthly Grab Fly Ash

Product sample date: 12-Dec-2024

Sample Identification:Sample Code: 24120646Source Power Station:Millmerran Power Station

Sample Condition: Tested as Received. Testing Commenced on 18-Dec-2024

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

www.mflyash.com.au

Test Results

Moisture	Fineness @ 45 micron	Loss on Ignition	Sulfuric Anhydride	Available Alkali	Chloride Ion	Chemical Composition
%	% Passed	%	%	%	%	%
< 0.1	91	0.2	0.2	Not Tested	< 0.002	93.1
AS 3583.2	AS 3583.1	AS 3583.3	AS 2350.2	AS 3583.12	AS 3583.13	AS 2350.2
0.5 % Maximum	75% Minimum	4.0 % Maximum	3.0 % Maximum	-	0.1 % Maximum	70% Minimum
	% < 0.1 AS 3583.2	Moisture 45 micron % % Passed < 0.1	Moisture 45 micron Ignition % % Passed % < 0.1	Moisture 45 micron Ignition Anhydride % Passed % % < 0.1	Moisture 45 micron Ignition Anhydride Alkali % % Passed % % % < 0.1	Moisture 45 micron Ignition Anhydride Alkali Ion % % % % % < 0.1

Test	Relative Density	Relative Water Requirement	Strength Index 7 Day Acc.	Reference Cement Details
		%	%	Identification:: 24120645
Result	1.96	95	96	Source: Goliath GP
Test Method	AS 3583.5	AS 3583.6	AS 3583.6	Product Type: Type GP
AS/NZS 3582.1	-	-	75% Minimum	Sample Date: 18-Dec-24

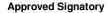
Additional Testing - Oxides

Test	CaO by XRF %	SiO ₂ by XRF	Al ₂ O ₃ by XRF	Fe ₂ O ₃ by XRF	SO₃ by XRF %	MgO by XRF %	Na₂O by XRF %
Result	3.2	55.9	33.4	3.8	0.2	1.1	0.50
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 ₂ O ₅ by XRF	Mn ₂ O ₃ by XRF	Total Alkali (NaEQ)
	%	%	%	%	%	%
Result	0.67	<0.1	1.8	<0.1	< 0.1	0.94
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
	X	



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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.



Laboratory accreditation number: 187

Notes: