# STANDARD FLY ASH CERTIFICATE

**FINAL**

**Prior Reports: None**

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**Certificate Number:** CERT263839
**Issued:** 23 June 2026

| | |
|---|---|
| **Product being certified:** | Bayswater - Microash Monthly Grab Fly Ash |
| **Product sample date:** | 22-Mar-2026 |
| **Sample Identification:** | Sample Code: 26031562 |
| **Source Power Station:** | Bayswater Power Station |
| **Sample Condition:** | Tested as Received. Testing Commenced on 29-May-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 | 97 | 0.5 | 0.1 | Not Tested | < 0.005 | 97 |
| 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 | 85% Minimum | 3.0 % Maximum | 3.0 % Maximum | - | 0.1 % Maximum | 70% Minimum |

| Test | Relative Density | Relative Water Requirement % | Strength Index 7 Day Acc. % | Reference Cement Details |
|---|---|---|---|---|
| Result | 2.35 | 93 | 136 | Identification:: 26060263 |
| Test Method | AS 3583.5 | AS 3583.6 | AS 3583.6 | Source: Goliath GP |
| AS/NZS 3582.1 | - | - | Minimum 105% | Product Type: Type GP |
| | | | | Sample Date: 28-Apr-26 |

### 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 | 0.4 | 77.4 | 15.8 | 3.3 | 0.1 | 0.3 | < 0.1 |
| 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 | 0.85 | <0.1 | 0.6 | 0.1 | < 0.1 | 0.64 |
| 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 | 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:**

2 6 0 3 1 5 6 2

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