

Test Certificate

Final

Product Certified: Ground Granulated Blast Furnace Slag
Test Certificate Number: 190299
Despatched From: Northern Cement, Darwin Plant, NT
Sample Code: B06d25d
Sample Date: 1/05/2019

| Reportable Property | Test Method | Requirements of AS3582.2 | Result |
|---|-------------|--------------------------|------------------------|
| Alumina (Al ₂ O ₃) | AS2350.2 | Max 18.0 % | 13.1 % |
| Total Iron (FeO) | AS2350.2 | N/R | 0.4 % |
| Magnesia (MgO) | AS2350.2 | Max 15.0 % | 6.2 % |
| Total Alkali (Na ₂ O Equivalent) | AS2350.2 | N/R | 0.4 % |
| Manganese (MnO) | ASTM C114 | N/R | 0.1 % |
| Sulfate (as SO ₃) content | AS3583.8 | N/R | 2.3 % |
| Sulfide Sulfur (S) | AS3583.7 | Max 1.5 % | 1.0 % |
| Chloride Ion Content | AS3583.13 | Max 0.1 % | 0.003 % |
| Loss on Ignition | AS3583.3 | N/R | 0.6 % |
| Insoluble Residue | AS3583.14 | N/R | 0.3 % |
| 45 µm Residue | AS3583.1 | N/R | 96 % passing |
| Relative Density | AS3583.5 | N/R | 2.82 |
| Relative Water Requirement | AS3583.6 | N/R | 102 % |
| Strength Index | AS3583.6 | N/R | 92 % |
| Other Properties | | | |
| SiO ₂ | AS2350.2 | N/R | 32.0 % |
| CaO | AS2350.2 | N/R | 42.5 % |
| Fineness Index | AS2350.8 | N/R | 475 m ² /kg |

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REMARKS

These test results apply specifically to the above designated sample as received at the Adelaide Brighton Cement Birkenhead Laboratory (Accredited number: 252), 62 Elder Rd Birkenhead SA 5015.

For Relative Water and Strength Index testing the reference control used is Birkenhead GP code B06d89f.

This despatch grab sample complies to the requirements of AS3582.2:2016, Ground Granulated Blast Furnace Slag.

N/R = No Requirement



Accredited for compliance with ISO/IEC 17025 - Testing. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Approved Signatory

F. Pope

Issue Date: 26/06/2019