

Certificate Of Analysis

Certificate Number: **0511-20** Issue Number: **1** Issue Date: **19/10/2020 10:56:36 AM**
 Test Certificate for: **Milled Slag**
 Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Monthly Composite for: **May, 2020**
 Material Source: **Nippon Steel**
 Point of Sampling: **Final product air slide, Sunstate Cement Ltd., Port of Brisbane, Australia**
 Sample Tested at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Sample Identification: **T6M-000132**


| SPECIFIC PROPERTY | TEST METHOD | AS3582.1 REQUIREMENTS | | RESULT |
|--|-------------|-----------------------|-------|-----------------------|
| Fineness | AS3583.1 | | | 97.6 % |
| Loss on ignition | AS3583.3 | | | 0.4 % |
| Insoluble residue | AS3583.14 | | | 0.1 % |
| SO ₃ | InHouse | | | 1.3 % |
| Magnesia (MgO) | AS2350.2 | Maximum | 15 % | 5.6 % |
| Alumina (Al ₂ O ₃) | AS2350.2 | Maximum | 18 % | 13.0 % |
| Total Iron (Fe ₂ O ₃) | AS2350.2 | | | 0.9 % |
| Manganese (MnO) | AS2350.2 | | | 0.2 % |
| Total Alkali | AS2350.2 | | | 0.4 % |
| Avalible Alkali | AS3583.12 | | | 0.0 % |
| Chloride | AS3583.13 | Maximum | 0.1 % | 0.003 % |
| Relative Density | AS3583.5 | | | 2.8 g/cm ³ |
| Relitave Water | AS3583.6 | | | 100.0 % |
| Relitave Strength | AS3583.6 | | | 104.3 % |

Sampling Procedure:

Samples obtained were in accordance with AS2350.1


Remarks:

- 1 These results only relate to the specimens identified on this report
- 5 Available alkali determined by: Cement Australia Accreditation No 187 & 188



NATA accredited
 Laboratory Number: 2191

Accredited for compliance with
 ISO/IEC 17025 Testing



George Santagiuliana
 Approved Signature
 19/10/2020

This certificate replaces previous certificate number 0511-20, issue 0 dated (REASON: Test Data Updated)