

# Certificate Of Analysis

Certificate Number: **0848-20** Issue Number: **1** Issue Date: **30/11/2020 1:32:38 PM**  
 Test Certificate for: **Milled Slag**  
 Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**  
 Monthly Composite for: **August, 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-000135**

SPECIFIC PROPERTY	TEST METHOD	AS3582.1 REQUIREMENTS		RESULT
Fineness	AS3583.1			92.8 %
Loss on ignition	AS3583.3			1.5 %
Insoluble residue	AS3583.14			0.7 %
SO <sub>3</sub>	InHouse			1.7 %
Magnesia (MgO)	AS2350.2	Maximum	15 %	5.4 %
Alumina (Al <sub>2</sub> O <sub>3</sub> )	AS2350.2	Maximum	18 %	12.9 %
Total Iron (Fe <sub>2</sub> O <sub>3</sub> )	AS2350.2			0.7 %
Manganese (MnO)	AS2350.2			0.1 %
Total Alkali	AS2350.2			0.4 %
Avalible Alkali	AS3583.12			0.2 %
Chloride	AS3583.13	Maximum	0.1 %	0.003 %
Relative Density	AS3583.5			2.8 g/cm <sup>3</sup>
Relitave Water	AS3583.6			101.8 %
Relitave Strength	AS3583.6			81.8 %

**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  
 30/11/2020

***This certificate replaces previous certificate number 0848-20, issue 0 dated (REASON: Test Data Updated)***