

Certificate Of Analysis

Certificate Number: **1191-20** Issue Number: **1** Issue Date: **14/01/2021 3:49:43 PM**
 Test Certificate for: **Milled Slag**
 Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Monthly Composite for: **November, 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-000138**

SPECIFIC PROPERTY	TEST METHOD	AS3582.1 REQUIREMENTS		RESULT
Fineness	AS3583.1			92.8 %
Loss on ignition	AS3583.3			1.4 %
Insoluble residue	AS3583.14			%
SO ₃	InHouse			2.2 %
Magnesia (MgO)	AS2350.2	Maximum	15 %	6.2 %
Alumina (Al ₂ O ₃)	AS2350.2	Maximum	18 %	13.1 %
Total Iron (Fe ₂ O ₃)	AS2350.2			0.7 %
Manganese (MnO)	AS2350.2			0.2 %
Total Alkali	AS2350.2			0.4 %
Avalible Alkali	AS3583.12			%
Chloride	AS3583.13	Maximum	0.1 %	0.002 %
Relative Density	AS3583.5			g/cm ³
Relitave Water	AS3583.6			%
Relitave Strength	AS3583.6			%

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

14/01/2021

This certificate replaces previous certificate number 1191-20, issue 0 dated (REASON: Test Data Updated)