

Certificate Of Analysis

Certificate Number: **0003-23** Issue Number: **1** Issue Date: **6/03/2023 1:50:02 PM**
 Test Certificate for: **Milled Slag**
 Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Monthly Composite for: **December, 2022**
 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-000164**

SPECIFIC PROPERTY	TEST METHOD	AS3582.2 REQUIREMENTS		RESULT
Fineness	AS3583.1			89.6 %
Loss on ignition	AS3583.3			-0.3 %
Insoluble residue	AS3583.14			%
SO ₃	InHouse			0.3 %
Magnesia (MgO)	AS2350.2	Maximum	15 %	6.3 %
Alumina (Al ₂ O ₃)	AS2350.2	Maximum	18 %	12.8 %
Total Iron (Fe ₂ O ₃)	AS2350.2			0.5 %
Manganese (MnO)	AS2350.2			0.3 %
Total Alkali	AS2350.2			0.5 %
Avalible Alkali	AS3583.12			%
Chloride	AS3583.13	Maximum	0.1 %	0.003 %
Relative Density	AS3583.5			2.9 g/cm ³
Relative Water	AS3583.6			103.3 %
Relative Strength	AS3583.6			85.5 %

Sampling Procedure:

Samples obtained were in accordance with AS2350.1

Remarks:

- 1 These results only relate to the specimens identified on this report
- 2 Total Alkali determined at Australian Laboratory Services by ICP - AES using ME -ICP 91, Corporate Accreditation No 825, Corporate Site 818
- 3 XRF Analytical results determined at Australian Laboratory Services by XRF using ME -XRF 26, Corporate Accreditation No 825, Corporate Site 818
- 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

06/03/2023