Sunstate Cement Ltd.
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PORT OF BRISBANE
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Certificate Of Analysis

Certificate Number: **0065-23** Issue Number: **1** Issue Date: **30/05/2023 3:19:25 PM**

Test Certificate for: **Milled Slag**

Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**

Monthly Composite for: **February, 2023**

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-000166**

SPECIFIC PROPERTY	TEST METHOD	AS3582.2 REQUIREMENTS		RESULT
Fineness	AS3583.1			**85.5** %
Loss on ignition	AS3583.3			**-0.1** %
Insoluble residue	AS3583.14			**1.1** %
SO_3	InHouse			**0.3** %
Magnesia (MgO)	AS2350.2	Maximum	15 %	%
Alumina (Ai_2O_3)	AS2350.2	Maximum	18 %	%
Total Iron (Fe_2O_3)	AS2350.2			%
Manganese (MnO)	AS2350.2			%
Total Alkali	AS2350.2			%
Avalible Alkali	AS3583.12			**0.2** %
Chloride	AS3583.13	Maximum	0.1 %	**0.003** %
Relative Density	AS3583.5			**2.9** g/cm³
Relative Water	AS3583.6			**105.1** %
Relative Strength	AS3583.6			**87.8** %

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

NATA accredited
Laboratory Number: 2191

Accredited for compliance with ISO/IEC 17025 Testing

George Santagiuliana
Approved Signature
30/05/2023