

Certificate Of Analysis

Certificate Number: **0053-21** Issue Number: **1** Issue Date: **6/05/2021 1:24:05 PM**
 Test Certificate for: **Fine Grade Ash - Grade 1**
 Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Monthly Composite for: **January, 2021**
 Material Source: **MILLMERRAN**
 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: **U6M-000168**

SPECIFIC PROPERTY	TEST METHOD	AS3582.1 REQUIREMENTS		RESULT
Fineness	AS3583.1	Minimum	75 %	81.3 %
Loss on ignition	AS3583.3	Maximum	4 %	0.4 %
Moisture content	AS3583.2	Maximum	0.5 %	0.1 %
SO ₃	InHouse	Maximum	3 %	0.4 %
Total Alkali	AS2350.2			0.6 %
Avalible Alkali	AS3583.12			0.3 %
Chloride	AS3583.13	Maximum	0.1 %	0.001 %
SiO ₂ + Al ₂ O ₃ + Fe ₂ O ₃	AS3583.13	Minimum	70 %	94.3 %
Relative Density	AS3583.5			2.2 g/cm ³
Relitave Water	AS3583.6			101.5 %
Relitave Strength	AS3583.6	Minimum	75 %	89.9 %

Sampling Procedure:

Samples obtained were in accordance with AS2350.1

Remarks:

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



NATA accredited
 Laboratory Number: 2191

Accredited for compliance with
 ISO/IEC 17025 Testing



George Santagiuliana
 Approved Signature

06/05/2021

This certificate replaces previous certificate number 0053-21, issue 0 dated (REASON: Test Data Updated)