

Certificate Of Analysis

Certificate Number: **0414-21** Issue Number: **3** Issue Date: **22/11/2021 11:42:15 AM**
 Test Certificate for: **Fine Grade Ash - Grade 1**
 Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Monthly Composite for: **June, 2021**
 Material Source: **TARONG NORTH**
 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-000173**

| SPECIFIC PROPERTY | TEST METHOD | AS3582.1 REQUIREMENTS | | RESULT |
|-------------------|-------------|-----------------------|-------|-----------------------|
| Fineness | AS3583.1 | Minimum | 75 % | 81.9 % |
| Loss on ignition | AS3583.3 | Maximum | 4 % | 0.9 % |
| Moisture content | AS3583.2 | Maximum | 0.5 % | 0.1 % |
| SO ₃ | InHouse | Maximum | 3 % | 0.2 % |
| Avalible Alkali | AS3583.12 | | | % |
| Chloride | AS3583.13 | Maximum | 0.1 % | 0.001 % |
| Relative Density | AS3583.5 | | | 2.3 g/cm ³ |
| Relative Water | AS3583.6 | | | 98.6 % |
| Relative Strength | AS3583.6 | Minimum | 75 % | 107.8 % |

Sampling Procedure:

Samples obtained were in accordance with AS2350.1

Remarks:

- 1 These results only relate to the specimens identified on this report
- 2 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
 22/11/2021

This certificate replaces previous certificate number 0414-21, issue 2 dated 30/09/2021 2:15:38 PM (REASON: Test Data Updated)