

Certificate Of Analysis

Certificate Number: **0189-23** Issue Number: **1** Issue Date: **19/06/2023 2:18:53 PM**
 Test Certificate for: **GP Cement**
 Sample Tested at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Sample Identification: **Spot Despatch Sample A6P-003094 dated 22/05/2023**
 Sample Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**

| SPECIFIC PROPERTY | TEST METHOD | AS3972 REQUIREMENTS | RESULT |
|---|----------------------|---------------------|-----------------------------|
| Compressive strength | AS2350.11, AS2350.12 | | |
| 3 Day | | | 37.1 MPa |
| 7 Day | | Minimum 35 MPa | 48 MPa |
| 28 Day | | Minimum 45 Mpa | 61.4 MPa |
| Setting Time | AS2350.4 | | |
| Initial | | Minimum 45 mins | 120 mins |
| Final | | Maximum 360 mins | 165 mins |
| Soundness | AS2350.5 | Maximum 5 mm | 0 mm |
| Sulphuric anhydride (SO₃) | In House | Maximum 3.5 % | 2.8 % |
| Chloride | AS3583.13 | Maximum 0.1 % | 0.010 % |
| REPORTABLE PROPERTY | TEST METHOD | | RESULT |
| Loss on ignition | AS2350.2 | | 3.9 % |
| Fineness | AS2350.8 | | 405 m²/kg |
| Total Alkali | AS2350.2 | | 0.5 % |
| OTHER PROPERTIES | TEST METHOD | | RESULT |
| Normal Consistency | AS2350.3 | | 27.2 % |

Sampling Procedure:

Samples were prepared 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 No. 818



NATA accredited
 Laboratory Number: 2191

 Accredited for compliance with
 ISO/IEC 17025 Testing



George Santagiuliana
 Approved Signature
 19/06/2023

This certificate replaces previous certificate number 0189-23, issue 0 dated (REASON: Test Data Updated)