

# Certificate Of Analysis

Certificate Number: **0314-23** Issue Number: **1** Issue Date: **28/09/2023 3:37:31 PM**  
 Test Certificate for: **GP Cement**  
 Sample Tested at: **Sunstate Cement Ltd., Port of Brisbane, Australia**  
 Sample Identification: **Spot Despatch Sample A6P-003133 dated 9/08/2023**  
 Sample Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**


SPECIFIC PROPERTY	TEST METHOD	AS3972 REQUIREMENTS	RESULT
<b>Compressive strength</b>	AS2350.11, AS2350.12		
3 Day			34 MPa
7 Day		Minimum 35 MPa	47.5 MPa
28 Day		Minimum 45 Mpa	60.9 MPa
<b>Setting Time</b>	AS2350.4		
Initial		Minimum 45 mins	75 mins
Final		Maximum 360 mins	165 mins
<b>Soundness</b>	AS2350.5	Maximum 5 mm	0 mm
<b>Sulphuric anhydride (SO<sub>3</sub>)</b>	In House	Maximum 3.5 %	2.8 %
<b>Chloride</b>	AS3583.13	Maximum 0.1 %	0.012 %
REPORTABLE PROPERTY	TEST METHOD		RESULT
<b>Loss on ignition</b>	AS2350.2		3.6 %
<b>Fineness</b>	AS2350.8		400 m <sup>2</sup> /kg
<b>Total Alkali</b>	AS2350.2		0.5 %
OTHER PROPERTIES	TEST METHOD		RESULT
<b>Normal Consistency</b>	AS2350.3		27.7 %

**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  
 28/09/2023

***This certificate replaces previous certificate number 0314-23, issue 0 dated (REASON: Test Data Updated)***