

# Certificate Of Analysis

Certificate Number: **0345-23** Issue Number: **1** Issue Date: **24/11/2023 9:19:40 AM**  
 Test Certificate for: **GP Cement**  
 Sample Tested at: **Sunstate Cement Ltd., Port of Brisbane, Australia**  
 Sample Identification: **Spot Despatch Sample A6P-003145 dated 4/09/2023**  
 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			<b>34.8 MPa</b>
7 Day		Minimum 35 MPa	<b>46.4 MPa</b>
28 Day		Minimum 45 Mpa	<b>61.9 MPa</b>
<b>Setting Time</b>	AS2350.4		
Initial		Minimum 45 mins	<b>135 mins</b>
Final		Maximum 360 mins	<b>195 mins</b>
<b>Soundness</b>	AS2350.5	Maximum 5 mm	<b>0 mm</b>
<b>Sulphuric anhydride (SO<sub>3</sub>)</b>	In House	Maximum 3.5 %	<b>2.8 %</b>
<b>Chloride</b>	AS3583.13	Maximum 0.1 %	<b>0.018 %</b>
REPORTABLE PROPERTY	TEST METHOD		RESULT
<b>Loss on ignition</b>	AS2350.2		<b>4.1 %</b>
<b>Fineness</b>	AS2350.8		<b>400 m<sup>2</sup>/kg</b>
<b>Total Alkali</b>	AS2350.2		<b>0.6 %</b>
OTHER PROPERTIES	TEST METHOD		RESULT
<b>Normal Consistency</b>	AS2350.3		<b>28.0 %</b>

**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  
 24/11/2023

***This certificate replaces previous certificate number 0345-23, issue 0 dated (REASON: Test Data Updated)***