

Certificate Of Analysis

Certificate Number: **0393-23** Issue Number: **1** Issue Date: **24/11/2023 9:27:29 AM**
 Test Certificate for: **GP Cement**
 Sample Tested at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Sample Identification: **Spot Despatch Sample A6P-003164 dated 18/10/2023**
 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			32.5 MPa
7 Day		Minimum 35 MPa	44.8 MPa
28 Day		Minimum 45 Mpa	58.6 MPa
Setting Time	AS2350.4		
Initial		Minimum 45 mins	120 mins
Final		Maximum 360 mins	210 mins
Soundness	AS2350.5	Maximum 5 mm	1 mm
Sulphuric anhydride (SO₃)	In House	Maximum 3.5 %	2.8 %
Chloride	AS3583.13	Maximum 0.1 %	0.009 %
REPORTABLE PROPERTY	TEST METHOD		RESULT
Loss on ignition	AS2350.2		3.9 %
Fineness	AS2350.8		375 m²/kg
Total Alkali	AS2350.2		%
OTHER PROPERTIES	TEST METHOD		RESULT
Normal Consistency	AS2350.3		28.6 %

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 0393-23, issue 0 dated (REASON: Test Data Updated)